

A BRITISH
COMPANY



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Why use Bentech UK?

- Sourcing products from Bentech UK can greatly reduce costs and therefore increase your profitability
- Specialist logistic partners providing the most competitive solutions to export into the Gulf no matter the size
- New US office based in Brunswick - Georgia allows us to be more competitive than other procurement companies allow access to US brands which are widely used in the Oil and Gas industries in the Gulf
- Bentech headquarters are conveniently based on the outskirts of London next-door to the world famous Wembley stadium



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Cant find it? We will source it!







FIRE RESISTANT

FP RANGE OF FIRE RESISTANT CABLES

FP100 Cable Cable Description

CONDUCTOR

Plain annealed copper stranded (class 2) conductor.

INSULATION

Mineral ceramic (Mica/Glass) fire resistant tape. 90°C high performance cross linked mineral filled insulation.

KEY APPLICATIONS

- Essential safety circuits where the cable is protected by metal conduit.
- May be used for emergency lighting, fire alarm systems not requiring a twisted cable or other essential services.

PERFORMANCE STANDARDS

- 450/750 V and 600/1000 V
- BS 6387:1994 Cat C (950±40°C for 180 mins)
- BS 6387:1994 Cat W (650±40°C for 30 mins)
- BS 6387:1994 Cat Z (950±40°C for 15 mins)
- EN 50267-2-2:1999
- EN 61034-2:2005
- IEC 60331-21:1999
- Use in screwed steel conduit to achieve fire rating
- LPCB Approved
- Low smoke, zero halogen, flame retardant

CORE IDENTIFICATION

- | | | | |
|----------|---------|---------|----------------|
| • red | • brown | • black | • yellow |
| • orange | • grey | • blue | • green/yellow |
- Other core colours available on request

FP200 Flex BS7629-1 Cable Description

KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings, voice alarm systems, emergency lighting systems and other essential service circuits. In addition to approvals to BS7629-1 from BASEC and LPCB, FP 200 FlexTM has received LPCB approval against the fire test requirement of BS6387 Category CWZ

CONDUCTOR

- Plain annealed copper stranded circular conductor complying with BS EN 60228 class 2

INSULATION

- High performance damage resistant Insdite™ British Standard Type E15.

CORE IDENTIFICATION

- brown-blue
- brown-black-grey
- blue-brown-black-grey

SCREEN

- Aluminium/Polyester tape screen in contact with full size tinned annealed copper stranded circuit protective conductor

SHEATH

- Robust thermoplastic LSOH® sheath
- Colour - White or Red. Other colours to special order
- For external exposure the use of white sheath is recommended



THE ORIGINAL 'STANDARD' FIRE RESISTANT CABLE (300/500 V)

FP200 Gold

CONDUCTOR

Plain annealed copper. Solid (1.0 - 2.5 mm²) or stranded circular conductors (4.0 mm²) to meet the requirements of BS EN 60228 class 1 or class 2.

INSULATION

High performance, damage resistant Insudite™ to meet BS EN 50363-5, Type E15.

OVERALL METALLIC SCREEN AND CPC

Polyester backed laminated aluminium tape bonded to outer sheath to provide overall screen. In contact with full sized, tinned annealed copper circuit protective conductor and laid-up with the cores to provide automatic screen earthing.

SHEATH

Robust thermoplastic low smoke, zero halogen and reduced flame propagation outer sheath. Standard colours white and red with bespoke colours available to special order. Suitable for outdoor installation with exposure to normal daylight UV.

KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings
- Voice alarm systems
- Emergency voice communication
- Emergency and escape lighting
- Control circuits for life safety and fire fighting systems
- Other essential service control circuits for 'standard' fire resistance

BRITISH STANDARDS. TESTS & APPROVALS

- BS7629-1, Standard 60 (1.0mm² Standard 30)
- BS EN 50200 PH30, PH60, PH120 and ANNEX E
- BS 5839-1, 6, 8 & 9 'standard' fire resisting cable
- BS 5266-1 'standard' fire resisting cable
- BS 8519 Category 1 control cable
- BASEC approved
- London Underground 1.085 Approved Product Register (Section 12)
- LPCB approved (specific products and fire tests only)

CORE IDENTIFICATION

- | | |
|---------------------------|-----------------------------------|
| Harmonised - standard | Non harmonised – to special order |
| ● brown-blue | ●● red-black |
| ●● brown-black-grey | ●●● red-yellow-blue |
| ●●● blue-brown-black-grey | ●●●● black-red-yellow-blue |



FP200 Gold multicore cable BS7629-1:2008

KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings
- Voice alarm systems
- Emergency lighting
- Other essential service circuits

CONDUCTOR

Plain annealed copper solid (1.0 - 1.5 mm²) or stranded (2.5 mm²) circular conductor complying with BS EN 60228 class 1 or class 2.

INSULATION

- High Performance damage resistant Insudite™.
- British Standard Type E15.

CORE IDENTIFICATION

- 7-12-19 cores white with printed number.

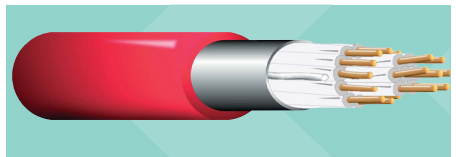
SCREEN

- Laminated aluminium tape screen bonded to sheath and in contact with tinned annealed copper 0.5mm² drain wire which provides automatic screen earthing.

SHEATH

- Robust thermoplastic LSOH sheath
- Colour - White or Red. Other colours to special order
- For external exposure the use of a white sheath is recommended.

Contact us on
0208 900 2082 or
sales@bentechuk.com
for all your cable
requirements





ÖLFLEX® HEAT 125 TEMPERATURE RESISTANT CABLES AND SINGLE CORES

ÖLFLEX® HEAT 125 SC

VDE TESTED SINGLE CORES ACCORDING TO EN 50525-3-41 (H05Z-K & H07Z-K) FOR MORE DEMANDING REQUIREMENT

BENEFITS

- For safety in areas with high density of people
- Reduction of flame propagation, density and toxicity of smoke gases in the event of fire
- Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime applications

APPLICATION RANGE

- For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering
- For installation in tubes, on, in and under plaster, as well as in closed installation ducts
- Coil winding, electromagnets, pumps, electrical systems
- Heat treatment plants, pressure die casting, heating and cooling technology
- Suitable for assembling cable harnesses and wiring during switch cabinet installation

PRODUCT FEATURES

- Fire behaviour:
- Flame retardant (IEC 60332-1-2)
- Halogen-free (IEC 60754-1)
- No corrosive gases (IEC 60754-2)
- Low smoke density (IEC 61034-2)
- Low toxicity (EN 50305)
- Extended fire behaviour: H05Z-K (0.5 mm² up to 1.0 mm²): see data sheet H07Z-K (≥ 1.5 mm²): no fire propagation according to IEC 60332-3-24 respectively IEC 60332-3-25
- Oil-resistant according to DIN EN 50290-2-22 (TM54)
- Abrasion and notch-resistant
- UV-resistant according to ISO 4892-2

NORM REFERENCES/APPROVALS

- Type H05Z-K and H07Z-K according to EN 50525-3-41 with advanced features
- Germanischer Lloyd (GL) certificate no. 11118-14HH

PRODUCT MAKE-UP

- Fine-wire, tinned-copper conductor
- Electron beam cross-linked polyolefin copolymer insulation

ÖLFLEX® HEAT 125 MC

ELECTRON BEAM CROSS-LINKED CABLES FOR MORE DEMANDING APPLICATION REQUIREMENTS

BENEFITS

- For safety in areas with high density of people
- Reduction of flame propagation, density and toxicity of smoke gases in the event of fire
- Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime applications

APPLICATION RANGE

- For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering
- For use in traffic regulation systems and outdoors
- Coil winding, electromagnets, pumps, electrical systems
- Heat treatment plants, pressure die casting, heating and cooling technology
- For outdoor applications

PRODUCT FEATURES

- Fire behaviour:
- Halogen-free (IEC 60754-1)
- No corrosive gases (IEC 60754-2)
- Low smoke density (IEC 61034-2)
- Flame retardant (IEC 60332-1-2, NF C 32-070 (C1) and NF-F 16-101 (Class C))
- Low toxicity (EN 50305)
- No flame propagation according to IEC 60332-3-22, IEC 60332-3-24 and IEC 60332-3-25 (Flame spread on vertical cable bundle)
- Oil-resistant acc. IEC 60227-1 (ST9) and EN 50264-1 (EM104)
- UV-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396

NORM REFERENCES/APPROVALS

- GL – Germanischer Lloyd approved
- Based on EN 50525-3-21 and EN 50525-3-41

PRODUCT MAKE-UP

- Fine-wire, tinned-copper conductor
- Electron beam cross-linked polyolefin copolymer insulation
- Cores twisted in layers
- Outer sheath: electron beam cross-linked polyolefin copolymer, black

LAPP KABEL STUTTGART ÖLFLEX® HEAT 125 SC, H07Z-K 80HS, CE



ÖLFLEX® HEAT 125 C MC NEW

ELECTRON BEAM CROSS-LINKED CABLES FOR MORE DEMANDING APPLICATION REQUIREMENTS

BENEFITS

- For safety in areas with high density of people
- Reduction of flame propagation, density and toxicity of smoke gases in the event of fire
- Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime applications
- Copper braiding screens the cable against electromagnetic interference

APPLICATION RANGE

- For outdoor applications
- For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering



ÖLFLEX® HEAT 125 C MC 300/500 V – colour-coded				
Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1024400	2 X 0.5	6.8	41	45
1024401	3 G 0.5	7.1	45.5	59
1024407	2 X 0.75	7.2	46	79
1024408	3 G 0.75	7.6	57.9	96
1024409	4 G 0.75	8.4	64	116
1024410	5 G 0.75	9.1	77.4	139
1024415	2 X 1	7.4	56	90
1024416	3 G 1	8.0	65.3	104
1024417	4 G 1	8.6	78.1	129
1024418	5 G 1	9.6	89.4	153
ÖLFLEX® HEAT 125 C MC 450/750 V – colour-coded				
1024423	2 X 1.5	8.6	65	114
1024424	3 G 1.5	9.1	83	132
1024425	4 G 1.5	10.0	100	163
1024426	5 G 1.5	11.1	125	200
1024433	2 X 2.5	10.0	112	157
1024434	3 G 2.5	10.7	146	198
1024435	4 G 2.5	11.6	167	236
1024436	5 G 2.5	12.9	200	287
1024441	4 G 4	13.7	237	317
1024446	4 G 6	15.1	318	404
1024451	4 G 10	19.3	558	669

- For use in traffic regulation systems and outdoors
- Coil winding, electromagnets, pumps, electrical systems
- Heat treatment plants, pressure die casting, heating and cooling technology

PRODUCT FEATURES

- Fire behaviour:
- Halogen-free (IEC 60754-1)
- No corrosive gases (IEC 60754-2)
- Low smoke density (IEC 61034-2)
- Flame retardant (IEC 60332-1-2, NF C 32-070 (C1) and NF-F 16-101 (Class C))
- Low toxicity (EN 50305)
- No flame propagation according to IEC 60332-3-22, IEC 60332-3-24 and IEC 60332-3-25 (Flame spread on vertical cable bundle)
- Oil-resistant acc. IEC 60227-1 (ST9) and EN 50264-1 (EM104)
- UV-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396

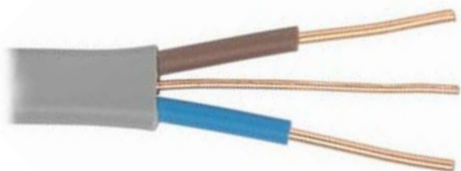


ÖLFLEX® HEAT 125 C MC 300/500 V – Black with white numbers				
Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1024480	2 X 0.75	7.2	46	79
1024481	3 X 0.75	7.6	57.9	96
1024482	4 X 0.75	8.4	64	116
1024411	7 G 0.75	10.0	102	186
1024483	7 X 0.75	10.0	102	186
1024412	12 G 0.75	13.4		219
1024484	2 X 1	7.4	56	90
1024485	3 X 1	8.0	65.3	104
1024419	7 G 1	10.3	113.3	211
1024420	12 G 1	14.0	188.1	266
ÖLFLEX® HEAT 125 C MC 450/750 V – Black with white numbers				
1024486	2 X 1.5	8.6	65	114
1024487	4 X 1.5	10.0	100	163
1024427	7 G 1.5	12.0	149	273
1024488	7 X 1.5	12.0	149	273
1024428	12 G 1.5	16.3	280	371
1024489	3 X 2.5	10.7	146	198
1024490	4 X 2.5	11.6	167	236
1024437	7 G 2.5	14.4	288	385
1024438	12 G 2.5	19.3	477.3	569

Twin & Earth Cable 6242Y

Domestic wiring cable. Can be installed in fixed installations in dry or damp premises clipped to surface, on trays or in free air where the risk of mechanical damage would not be an issue. Suitable for laying in conduit or trunking where mechanical protection is required.

- Low smoke & fume version also available



3Core PVC Flex 3183Y

The light-duty 318-Y cable is designed for use in domestic appliances, kitchens and offices. Applications can include use with light portable appliances such as radios, table lamps and office equipment where the potential for mechanical stresses and mechanical damage is low.

The 318-Y cable has a Polyvinyl Chloride (PVC) insulation and sheath and is generally deemed unsuitable for outdoor use or industrial application.

- Available in 3 CORE HEAT RESISTANT FLEX 3093Y
- Low Smoke & Fume Version also available



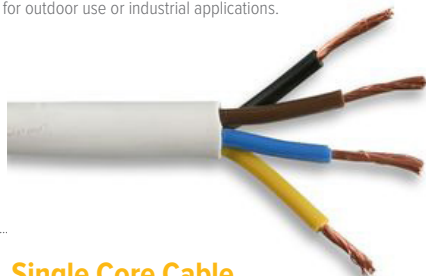
Flexible Cable 3182Y

Light duty cable for use in domestic appliances, kitchens and offices. For use with light portable appliances such as radios, table lamps and office equipment. Generally unsuitable for outdoor use or industrial applications.



4Core PVC Flex 3184Y

General purpose flexible cable for use outdoors in dry conditions. Applications include lawnmowers, power tools, washing machines, spin dryers and refrigerators etc. Generally unsuitable for outdoor use or industrial applications.



3Core and Earth Cable 6243Y

Three Core and Earth Domestic wiring cable 6243Y is used for 2 way lighting circuits inside domestic premises. It can be installed in fixed installations in dry or damp premises clipped to surface, on trays or in free air where mechanical damage would not be an issue. Suitable for laying in conduit or trunking for when mechanical protection is required.



Single Core Cable

Single core cable is suitable for power and lighting circuits and general building wiring. This cable is intended for use in closed installation ducts, and embedded and semi-flush exposed conduits. It is ideal for the internal wiring of appliances.

- 50m Length available



Code	Description
CAB-6243YS-010GY-50	H6243Y 1.0mm ² PVC 3 Core and Earth Cable Grey (50m Drum)
CAB-6243YS-010GY-100	H6243Y 1.0mm ² PVC 3 Core and Earth Cable Grey (100m Drum)
CAB-6243YS-015GY-50	H6243Y 1.5mm ² PVC 3 Core and Earth Cable Grey (50m Drum)
CAB-6243YS-015GY-100	H6243Y 1.5mm ² PVC 3Core and Earth Cable Grey (100m Drum)

Code	Description	Colours
CAB-6491X-1.5(*)-100	6491X 1.5mm ² PVC Single Core (100m Drum)	Black, Blue, Brown, Green/Yellow, Grey
CAB-6491X-2.5(*)-100	6491X 2.5mm ² PVC Single Core (100m Drum)	Black, Blue, Brown, Green/Yellow, Grey
CAB-6491X-4.0(*)-100	6491X 4.0mm ² PVC Single Core (100m Drum)	Black, Blue, Brown, Green/Yellow, Grey

NEW Cat7

Belden Black Cat7 Ethernet Cable PVC

S/FTP Cat7 4 Pair Cable

Shielded copper cable for use in industrial ethernet networks; designed to withstand environmental and mechanical hazards, from extreme temperatures and sunlight to solvents, oils, chemicals and moisture.

FEATURES AND BENEFITS

- Rated IP67
- Abrasion resistant
- High shield coverage
- UV resistant

APPLICATIONS

- Industrial environments



Belden Grey Cat7 Ethernet Cable LSZH Low Smoke Zero Halogen (LSZH)



DataTwist® Cat 7 ISTP

FEATURES AND BENEFITS

- 4 individually shielded twisted pairs
- 23AWG solid bare copper conductor insulated in polyethylene
- Tinned copper braided screen
- Low smoke zero halogen (LSZH) jacket
- Operating temperature -20°C to +60°C
- Complies with ISO/IEC 11801 2nd edition and prEN 50288-3-1

APPLICATIONS

- Used as standard horizontal wiring in Cat 6 and Cat 7 applications and 1000Base-T, FDDI and ATM applications

Satellite & CCTV Co-axial Cable

Coaxial cables are used for interconnecting data or telecoms equipment for the purpose of transmission of radio frequency signals, including television aerial connection, transmission of CCTV images, and broadband signals.

- High performance, low loss
- CAI approved version
- Black sheath
- For digital/satellite connection and high speed data transfer
- External option available



Speaker Flex and Bell Wire

- Speaker flex incorporates black pin stripe
- Bell Wire incorporates pit stripe



Speaker Cable

Code	Description
CAB-218/W	Speaker flex, 13 strands - white 100m
CAB-218/G	Speaker flex, 13 strands - grey 100m
CAB-215/W	Speaker flex, 42 strands - white 100m
CAB-214/W	Speaker flex, 79 strands - white 100m

Bell Wire

Code	Description
CAB-218/X	Bell wire - white

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THE CLAMPING EXPERTS

 **BRADY**[®]

 **CRITCHLEY**

 **legrand**[®]

PANDUIT[®]


PARTEX[®]
MARKING SYSTEMS

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TE
connectivity

Thomas & Betts

tyco

IN THIS SECTION:

- Cable Markers
- Cable Ties
- Fixing & Holders
- Heat Shrink



CABLE MARKERS



CRITCHLEY IDENTIFICATION SOLUTIONS

Critchley - G-Type zero halogen markers.
G-Type Markers



In Black on Yellow

MARKER PART NO. (BOXES)	FOR CABLE DIA. (mm)		MARKER LENGTH (mm)	FOR CABLE* SIZE (mm2)	BOX QTY	APPLICATOR PART NO.
ELG3/10	1.4	-2.5	3	-	1000	1251
ELG3/20	2.0	-3.5	2	1.0 -2.5	1000	1252
ELG4/10	3.0	-6.0	4	1.5 -6.0	500	1254
ELG6/10	5.0	-9.5	6	10.0 -25.0	250	1256
ELG6/20	8.0	-12.5	6	25.0 -50.0	250	1256

* BS6004/BS6231

K-Type Markers

Critchley - K-Type cable markers



PART NO.	MARKER TYPE	CABLE DIA. (mm)		FOR CABLE SIZE* (mm2)	MARKER LENGTH	REEL QTY
K65	1361	4.2	-70	4.0 -10.0	6.0	500

* BS6004/BS6231

A to Z 0 to 9 + - / . ↓ In White on Black

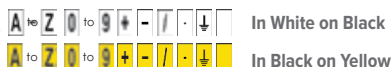
A to Z 0 to 9 + - / . ↓ () < > = ~ In Black on Yellow

A to Z 0 to 9 + - / . ↓ In Black on Red



Z-Type Markers

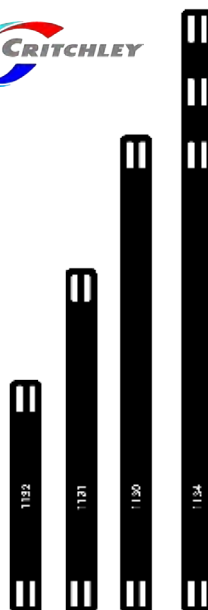
MARKER	MARKER	FOR CABLE	FOR CABLE* SIZE	MARKER LENGTH	REEL QTY	APPLICATOR
PART NO. (REELS)	TYPE	DIA. (mm)	(mm ²)	(mm)		PART NO.
Z5R	580	1.5 - 2.0	-	4.5	1000	-
Z7R	581	2.0 - 3.2	1	4.5	1000	1251
Z9R	615	2.5 - 4.0	1.5	4.5	1000	1252
Z11R	616	2.9 - 4.7	2.5	4.5	1000	1253
Z13R	617	3.4 - 5.7	4	4.5	1000	1254
Z15R	618	3.8 - 6.3	6	4.5	1000	1255
Z18R	620	4.3 - 6.9	10	4.5	500	1256
Z23R	622	5.5 - 8.9	16	6	500	-
Z35R	624	7.9 - 12.7	25	6	250	-



K-Type Carrier Strips

K-Type Carrier Strips are for use with K-Type Markers. They are ideal for identifying large cables, conduit and pipes, either before or after termination. Each carrier has slotted ends allowing fastening with cable ties up to 7.6mm wide. Available in 7 digit, 12 digit, 18 digit, 18 digit lengths. We also have a multi-purpose carrier for up to 26 digits. Supplied in packs.

PART NO.	DIGIT CAPACITY	CARRIER LENGTH (mm)	CARRIER WIDTH (mm)	Pack Qty
1132	7 Digits	65	9	500
1131	12 Digits	96	9	500
1130	18 Digits	133	9	250
1134	Multi-Purpose Carrier For Up To 26 Digits	168	9	250



CABLE MARKERS

CAB3 Marking System

Markers for cables 0.15 to 0.5 mm² and 0.5 to 1.5 mm² cross section and terminal blocks

Pack	Cat Nos	Digits
1000	1200 0381 00 0382 10	0
1000	1200 0381 01 0382 11	1
1000	1200 0381 02 0382 12	2
1000	1200 0381 03 0382 13	3
1000	1200 0381 04 0382 14	4
1000	1200 0381 05 0382 15	5
1000	1200 0381 06 0382 16	6
1000	1200 0381 07 0382 17	7
1000	1200 0381 08 0382 18	8
1000	1200 0381 09 0382 19	9

Pack	Cat No's	
300	0381 10 0383 00	A
300	0381 11 0383 01	B
300	0381 12 0383 02	C
300	0381 13 0383 03	D
300	0381 14 0383 04	E
300	0381 15 0383 05	F
300	0381 16 0383 06	G
300	0381 17 0383 07	H
300	0381 18 0383 08	I
300	0381 19 0383 09	J
300	0381 20 0383 10	K
300	0381 21 0383 11	L
300	0381 22 0383 12	M
300	0381 23 0383 13	N
300	0381 24 0383 14	O
300	0381 25 0383 15	P
300	0381 26 0383 16	Q
300	0381 27 0383 17	R
300	0381 28 0383 18	S
300	0381 29 0383 19	T
300	0381 30 0383 20	U
300	0381 31 0383 21	V
300	0381 32 0383 22	W
300	0381 33 0383 23	X
300	0381 34 0383 24	Y
300	0381 35 0383 25	Z
300	0381 40 0382 70	/
300	0381 41 0382 71	.
300	0381 42 0382 72	+
300	0381 43 0382 73	-
300	0381 44 0382 74	±
300	0382 5	=
300	0382 76	T





Markers for cables 1.5 to 2.5mm² and 4 to 6 mm² cross section

Pack	Cat Nos	Digits	
1200	800	0382 20 0382 30	0
1200	800	0382 21 0382 31	1
1200	800	0382 22 0382 32	2
1200	800	0382 23 0382 33	3
1200	800	0382 24 0382 34	4
1200	800	0382 25 0382 35	5
1200	800	0382 26 0382 36	6
1200	800	0382 27 0382 37	7
1200	800	0382 28 0382 38	8
1200	800	0382 29 0382 39	9

Pack	Cat Nos	
300	0383 30 0383 60	A
300	0383 31 0383 61	B
300	0383 32 0383 62	C
300	0383 33 0383 63	D
300	0383 34 0383 64	E
300	0383 35 0383 65	F
300	0383 36 0383 66	G
300	0383 37 0383 67	H
300	0383 38 0383 68	I
300	0383 39 0383 69	J
300	0383 40 0383 70	K
300	0383 41 0383 71	L
300	0383 42 0383 72	M
300	0383 43 0383 73	N
300	0383 44 0383 74	O
300	0383 45 0383 75	P
300	0383 46 0383 76	Q
300	0383 47 0383 77	R
300	0383 48 0383 78	S
300	0383 49 0383 79	T
300	0383 50 0383 80	U
300	0383 51 0383 81	V
300	0383 52 0383 82	W
300	0383 53 0383 83	X
300	0383 54 0383 84	Y
300	0383 55 0383 85	Z
300	0382 80 0382 90	/
300	0382 81 0382 91	•
300	0382 82 0382 92	+
300	0382 83 0382 93	-
300	0382 84 0382 94	±
300	0382 85 0382 95	=
300	0382 86 0382 96	T






Partex cable markers

- Method One markers are the tried and tested ParTEX single-digit markers.
- Proven in the field, billions of times over, they combine low cost, easy application and the ability to make up any ident, anywhere, any time.
- Method one markers are available for use with wires, cables, pipes, hoses and components.
- Manufactured to the highest quality to provide excellent legibility, consistent appearance and long service life. ParTEX single-digit markers are widely accepted as the best on the market.

PY WIRE MARKER

Profile	Part No.	Size Range	Length	Packaging (please specify)
	PY 01	Ø 1.0-2.0mm 0.2-0.7mm ²	3mm	1000 piece reel 250 piece handy pack 1000 loose strip pack (5x200)



PA Chevron Cut Wire Markers

Profile	Part No.	Size Range	Packaging (please specify)
	PA 02 Reel PA 02 Multi PA 02 Disc PA 02 250 Pack	d 1.3-3.0mm Ø 0.5-0.75mm ²	1000 piece reel 1000 piece multi pack (5x200 loose) 500 piece compactdisc 250 piece handy pack (10 of 25 markers)
	PA1 Reel PA1 Multi PA1 Disc PA1 250 Pack	d 2.5-5.0mm Ø 0.75-4.0mm ²	1000 piece reel 1000 piece multi pack (5x200 loose) 500 piece compactdisc 250 piece handy pack (10 of 25 markers)
	PA2 Disc PA2 Multi	d 4.0-10mm Ø 2.5-16mm ²	250 piece compactdisc 500 piece multi pack (5x100 loose)
	PA3 Multi	d 8.0-16mm Ø 16-70mm ²	100 piece multi pack (5x20 loose)



Packaging



Reels:

- PA 02 (Qty 1000)
- PA 1 (Qty 1000)



Compactdiscs:

- PA02 (Qty 500)
- PA1 (Qty 500)
- PA 2 (Qty 250)



Handi-packs:

- PA 02 (Qty 250)
- PA 1 (Qty 250)



Loose-strip packs:

- PA 02 (Qty 1000, 5x200)
- PA 1 (Qty 1000, 5x200)
- PA 2 (Qty 500, 5x100)
- PA 3 (Qty 100, 5x20)

PZ Straight Cut wire Markers

Profile	Part No.	Size Range	Packaging (please specify)
	PZ 02	d 1.3-3.0mm Ø 0.5-0.75mm ²	1000 piece reel 1000 loose piece strip pack (5x200 loose) 1000 piece in plastic box (5x200 loose)
	PZ 1	d 2.5-5mm Ø 0.75-4.0mm ²	1000 piece reel 1000 loose piece strip pack (5x200 loose) 1000 piece in plastic box (5x200 loose)
	PZ 2	d 4.0-10mm Ø 2.5-16mm ²	500 loose piece strip pack (5x100 loose) 250 piece compactdisc 500 loose in plastic box



PAZ Halogen Free Chevron Cut Markers

Part No.	Size Range	Packaging (please specify)
PAZ02	d 1.3-3.0mm Ø 0.5-0.75mm ²	500 piece compactdisc
PAZ1	d 2.5-5mm Ø 0.75-4.0mm ²	500 piece compactdisc
PAZ2	d 4.0-10mm Ø 2.5-16mm ²	250 piece compactdisc

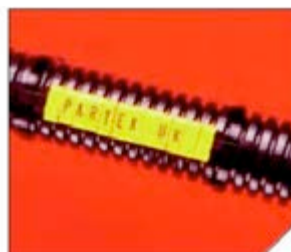
PC Single Digit 'Open Style' Wire Mark

Part No.	Recommended For	Available In
PC 10	Ø 2.4-3.0mm 0.5mm ²	1000 piece strip pack
PC 20	Ø 3.0-4.0mm 0.75-1.0 and 1.5mm ²	1000 piece strip pack
PC 30	Ø 4.0-5.0mm 2.5-4mm ²	1000 piece strip pack
PC 40	Ø 5.0-6.2mm 6mm ²	1000 piece strip pack





Cable Markers: POK 10 Cable Markers and the POH and PKH Ranges of Carrier Strips



POK10 CABLE MARKERS

Part No.	Packaging (please specify)
POK10	500 piece compactdisc

Available markings: Letters A-Z, Numbers 0-9, Dash, Plus, Slash, Earth.



CARRIER STRIP - POH RANGE

Part No.	Description	Packaging	Material
POH 7	7 digit carrier strip	100 pieces	Rigid PVC
POH 12	12 digit carrier strip	100 pieces	Rigid PVC
POH 18	18 digit carrier strip	100 pieces	Rigid PVC
POH 30	30 digit carrier strip	100 pieces	Rigid PVC
POH 7 Yellow	7 digit carrier strip Yellow	100 pieces	Rigid PVC
POH 12 Yellow	12 digit carrier strip Yellow	100 pieces	Rigid PVC
POH 18 Yellow	18 digit carrier strip Yellow	100 pieces	Rigid PVC
POH 30 Yellow	30 digit carrier strip Yellow	100 pieces	Rigid PVC
POH 7 White	7 digit carrier strip White	100 pieces	Rigid PVC
POH 12 White	12 digit carrier strip White	100 pieces	Rigid PVC
POH 18 White	18 digit carrier strip White	100 pieces	Rigid PVC

CARRIER STRIP PKH RANGE - MULTI PURPOSE FITTINGS

Part No.	Description	Packaging	Material
PKH 70	10 digit carrier strip	100 pieces	Rigid PVC
POH 110	20 digit carrier strip	100 pieces	Nylon 6.6

POZ10 Halogen Free Cable Markers



POZ 10 FOR CABLE MARKING

Part No.	Description
POZ 10	250 piece compactdisc

PKH POL HALOGEN FREE CARRIER STRIPS

Part No.	Description	Packaging
PKH 70 POL	10 digit carrier strip, halogen free	100 carrier strips
POH 110 POL	20 digit carrier strip, halogen free	100 carrier strips

PROMARK T-1000 - MARKING MACHINE

- Compact, fast and portable printer to cover most of your marker needs.
- Easy to operate with Partex product menu.
- Feeds, prints and cuts bulk Partex profiles and self adhesive labels.
- Store and import markerfiles with a USB - PC connection.
- Cost effective identification system for use in panel building and electrical installations.



- PO and POZ profiles with diameters of 1.3 – 5.5 mm (POZ is the halogen-free version)
- PHZ – round, halogen-free, heat shrinkable tubes with diameters 2.4 – 6.4 mm before shrinking
- PHZF – flat, halogen-free, heat shrinkable tubes with diameters 2.4 – 6.4 mm before shrinking
- PP+ profile – height of 4.6 and 9.0 mm compatible with profiles: PT+/PTC/PTZ and PM, PTM, PS
- PP+ profile – height of 6.3, 10.0 and 11.0 mm compatible with Wago connectors (TopJobs), Phoenix Contact, ABB Entrellec.
- PPA+ – self-adhesive profile
- PO-068 profile – used for marking cables with PKH and POH holders
- PROMARK-PLL – self laminating marker for wires and cables
- PROMARK-PL – adhesive tape with a width of 6mm, 9mm and 12mm available in the form of cassettes which you place into the printer



BAND-IT[®]
THE CLAMPING EXPERTS

 **BRADY**[®]

HellermannTyton


PARTEX[®]
MARKING SYSTEMS


TE
connectivity

Thomas & Betts

tyco

BAND-IT® TIES

The Reusable Stainless Steel Tie



BAND-IT® STAINLESS STEEL TIES



BAND-IT® Cable Tie - AA Series
200/300 Stainless Steel Nylon 11 coated

BAND-IT® STAINLESS STEEL TIES - AA SERIES

BAND-IT® stainless steel ties. The most widely used stainless steel tie. Industrial strength, reusable with thousands of applications..



BAND-IT® Cable Tie - AE Series
316 Stainless Steel PPA571 coated

BAND-IT® STAINLESS STEEL TIES - AE SERIES

BAND-IT® stainless steel ties are formulated to prevent UV breakdown, and to stand up to harsh chemicals and extreme temperatures. Won't crack, fade or break like traditional nylon ties can.

Nylon 6.6 Cable Ties: Non-Releaseable



CABLE TIES				
Part No.	Length (mm)	Width (mm)	Maximum Bundle Diameter (mm)	Maximum Tensile Strength (KG)
HFC 80	80	2.5	15	8
HFC 100	100	2.5	18	8
HFC 120	120	4.8	24	22
HFC 140	140	3.6	33	18
HFC 160L	160	2.5	40	8
HFC 160	160	4.8	38	22
HFC 200L	200	2.5	50	8
HFC 200I	200	3.6	50	18
HFC 200	200	4.8	50	22
HFC 250	250	4.8	63	22
HFC 300L	300	3.6	76	18
HFC 300	300	4.8	76	22
HFC 365	370	4.8	102	22
HFC 430	430	4.8	110	22
HFC 530	530	4.8	140	22
HFC 150H	150	7.6	36	55
HFC 200H	200	7.6	50	55
HFC 240H	240	7.6	66	55
HFC 300H	300	7.6	76	55
HFC 370H	370	7.6	100	55
HFC 430H	430	9.0	110	75
HFC 530H	530	9.0	140	75
HFC 710H	710	9.0	190	75
HFC 940H	940	9.0	280	75
HFC 1220H*	1220	9.0	365	75
HFC 580EH	580	12.7	152	113

Please specify natural or black when ordering.
* Only available in black.

Although Nylon cable ties have a wide operating temperature it is not recommended that they should be stored or installed at extremes of temperature.



Ultra Violet Resistant Cable Ties

ULTRA VIOLET RESISTANT CABLE TIES: 100 PIECE PACKS

Part No.	Length (mm)	Width (mm)	Maximum Bundle Diameter (mm)	Maximum Tensile Strength (KG)
HFC 100 UVB	80	2.5	18	8
HFC 140 UVB	140	3.6	33	18
HFC 160L UVB	160	2.5	40	8
HFC 200I UVB	200	3.6	50	18
HFC 200 UVB	200	4.8	50	22
HFC 300L UVB	300	3.6	76	18
HFC 300 UVBL	300	4.8	76	22
HFC 365 UVB	370	4.8	102	22
HFC 530 UVB	530	4.8	140	22
HFC 300H UVB	300	7.6	76	55
HFC 370H UVB	370	7.6	100	55
HFC 710H UVB	710	9	190	75
HFC 1030EH UVB	1030	12.7	302	113

Coloured Cable Ties

Available in Red, Blue, Green, Brown & Yellow. (Please specify colour when ordering)

Printed Cable Ties

We can print any of our Nylon cable ties with your unique text, including serial numbering. Please contact us for further details.



COLOURED CABLE TIES: 100 PIECE PACKS

Part No.	Length (mm)	Width (mm)	Maximum Bundle Diameter (mm)	Maximum Tensile Strength (KG)
HFC 100	100	2.5	18	8
HFC 140	140	3.6	33	18
HFC 200L	200	2.5	50	8
HFC 200	200	4.8	50	22
HFC 300	300	4.8	76	22



Screw Mountable Cable Ties



- Material Nylon 6.6
- Continuous working temperature: -40°C to +85°C

SCREW MOUNTABLE CABLE TIES: 100 PIECE PACKS

Part No.	Size of screw	Length & Width (mm)	Maximum Bundle Diameter (mm)	Maximum Tensile Strength (KG)	Colour
MT 110	M3	110 x 2.5	18	8	Natural
MT 150	M4	150 x 3.6	32	18	Natural
MT 200	M5	200 x 4.8	50	22	Natural or Black
MT 300	M6	305 x 7.6	76	55	Natural or Black

Push Mount Cable Ties



SCREW MOUNTABLE CABLE TIES: 100 PIECE PACKS

Part No.	Length (mm)	Width (mm)	Maximum Bundle Diameter (mm)	Maximum Tensile Strength (KG)	Maximum Panel Thickness (mm)	Nominal Hole Diameter (mm)
PM 150	155	3.3	32	18	2.4	4.7
PM 200	200	4.8	46	22	3.2	6.4

Metal Barbed Cable Ties



METAL BARBED CABLE TIES

Part No.	Colour	Size (mm)	Pack Quantity	Minimum Tensile Strength (KG)
MB 100 N	Natural	100 x 2.5	1000 (Box)	18
MB 100 B	Black	100 x 2.5	1000 (Box)	18
MB 140 N	Natural	140 x 3.5	1000 (Box)	28
MB 140 B	Black	140 x 3.5	1000 (Box)	28
MB 200I N	Natural	200 x 3.5	100	28
MB 200I B	Black	200 x 3.5	100	28
MB 200 N	Natural	186 x 4.5	100	40
MB 200 B	Black	186 x 4.5	100	40
MB 300 N	Natural	290 x 4.5	100	40
MB 300 B	Black	290 x 4.5	100	40
MB 360 N	Natural	360 x 4.5	100	40
MB 360 B	Black	360 x 4.5	100	40

Steel Cable Ties



Temperature range

- -80°C to +500°C Material
- 316 Stainless steel, Non toxic, recyclable. Halogen free, flameproof, UV resistant.

Type	Strength (n)	Length (mm) Packaging	Width (mm)	Max Bundle Diameter (mm)	Minimum Tensile Strength (n)	Packaging
SST 1316		150	4.6	37	667	100
SST 2316		200	4.6	50	667	100
SST 3316 #		260	4.6	69	667	100
SST 3816 #		300	4.6	85	667	100
SST 4316		360	4.6	100	667	100
SST 5316		520	4.6	150	667	100
SST 6316 #		680	4.6	200	667	100
SST 2316H		200	7.9	50	1335	100
SST 3316H #		260	7.9	69	1335	100
SST 3816H #		300	7.9	85	1335	100
SST 4316H		360	7.9	100	1335	100
SST 5316H		520	7.9	150	1335	100
SST 6316H #		680	7.9	200	1335	100
SST 8316H		840	7.9	250	1335	100
SST 10316H		1000	7.9	300	1335	100

Cable Tie Bases



CABLE TIES BASES: 100 PIECES PACK

Part No.	Length (mm)	Width (mm)	Entry	Maximum Tie Width (mm)
HFC 1/4	20	20	4 Way	4.0
HFC 2/4	28	28	4 Way	5.0

Available in Black or White.



Screw Mountable Saddle Type Mounts



- Material Nylon 6.6
- Continuous working temperature: -40°C to +85°C

Available in Black or Natural. Please specify natural or black when ordering.

SCREW MOUNTABLE SADDLE TYPE MOUNTS: 100 PIECE PACKS

Part No.	For use with cable ties up to mm wide	Size of screw
SM 2	4.8	M4
SM 3	9.0	M5

Self-Adhesive Cable Clips: 100 Piece Packs



SELF-ADHESIVE CABLE CLIPS: 100 PIECE PACKS

Part No.	Colour	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)	Minimum bundle (mm)	Maximum bundle (mm)	Screwfix (Optional)
R161N/1	Natural	16	16	10.7	7	4	5	N/A
R161B/1	Black	16	16	10.7	7	4	5	N/A
R251N/1	Natural	25	25	12.7	10.9	8	13	2 x M3
R251B/1	Black	25	25	12.7	10.9	8	13	2 x M3
R281N/1	Natural	28	28	14	16	12	18	2 x M3
R281B/1	Black	28	28	14	16	12	18	2 x M3

Marker Ties



MARKER TIES: 100 PIECE PACKS

Part No.	Length (mm)	Width (mm)	Maximum Bundle Diameter (mm)	Minimum Tensile Strength (KG)	Marking Area (mm)
MAR 100F	100	2.5	18	8	25 x 8
MAR 110F	110	2.5	50	8	25 x 8
MAR 200W	200	4.6	50	22	28 x 13

Thomas & Betts



TY523M

Tie body width 0.091 in.



TY525M

Tie body width 0.184 in.



TY524

Tie body width 0.140 in.



TY5272M

Actual size body width 0.270 in.

TY-RAP® STANDARD NYLON 6/6 CABLE TIES

Std. Cat. No.	Bulk Cat. No.	Type DSG	Plenum Rating	Usage	ANSI UL94 Flame Rating	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia. (in./mm)	Military Standard Part No.	Tensile Strength (lb./N)	Standard Pkg.	Bulk Pkg.
TY523M	TY23M	2/21	AH-2	Indoor only	V-2	0.09/2.29	3.62/91.95	0.87/22.00	MS3367-4	18/80.00	100	1000
TY52315M	TYB2315M	2/21	AH-2	Indoor only	V-2	0.09/2.29	7.00/177.80	1.25/32.00	-	18/80.00	100	1000
TY5232M	TY232M	2/21	AH-2	Indoor only	V-2	0.09/2.29	8.00/203.20	2.00/51.00	-	18/80.00	100	1000
TY5234M	TY234M	2/21	AH-2	Indoor only	V-2	0.09/2.29	14.00/355.60	4.00/102.00	-	18/80.00	100	1000
TY524M	TY24M	2/21	AH-2	Indoor only	V-2	0.14/3.56	5.50/139.70	1.38/35.00	MS3367-5	40/180.00	100	1000
TY5242M	TY242M	2/21	AH-2	Indoor only	V-2	0.14/3.56	8.19/208.03	2.00/51.00	-	40/180.00	100	1000
TY526M	TY26M	2/21	AH-2	Indoor only	V-2	0.14/3.56	11.10/281.94	3.00/76.00	-	30/130.00	100	1000
TY5244M	TY244M	2/21	AH-2	Indoor only	V-2	0.14/3.56	14.50/368.30	4.00/102.00	-	30/130.00	100	1000
TY525M	TY25M	2S/21S	AH-2	Indoor only	V-2	0.19/4.83	7.31/185.67	1.89/48.00	MS3367-1	50/222.00	100	1000
TY5253M	TY253M	2S/21S	AH-2	Indoor only	V-2	0.19/4.83	11.60/294.64	3.00/78.00	MS3367-7	50/222.00	100	1000
TY528M	TY28M	2S/21S	AH-2	Indoor only	V-2	0.19/4.83	14.20/360.68	4.00/102.00	MS3367-2	50/222.00	100	1000
TY5272M	TY272M	2S/21S	AH-2	Indoor only	V-2	0.27/6.86	8.75/222.25	2.00/51.00	-	120/540.00	50	500
TY527M	TY27M	2S/21S	AH-2	Indoor only	V-2	0.27/6.86	13.40/340.36	4.00/102.00	MS3367-3	120/540.00	50	500
TY5275M	TY275M	2S/21S	AH-2	Indoor only	V-2	0.27/6.86	18.00/457.20	5.00/127.00	-	120/540.00	50	500
TY5277M	TY277M	2S/21S	AH-2	Indoor only	V-2	0.27/6.86	24.30/617.22	7.00/177.00	-	120/540.00	50	500
TY529M	TY29M	2S/21S	AH-2	Indoor only	V-2	0.27/6.86	30.00/762.00	9.00/229.00	MS3367-6	120/540.00	50	500
TY53510M**	-	N/A	N/A	Indoor only	N/A	0.32/8.13	35.00/899.00	10.00/254.00	-	175/778.40	50	-
TY54513M**	-	N/A	N/A	Indoor only	N/A	0.32/8.13	45.00/330.20	13.00/330.20	-	175/778.40	50	-



TY523MX

Tie body width 0.091 in.



TY525MX

Tie body width 0.184 in.



TY524MX

Tie body width 0.140 in.



TY5272MX

Actual size body width 0.270 in.

- The MX Series cable ties are recommended for outdoor use.



TY-RAP® NYLON 6/6 – WEATHER-RESISTANT													
Std. Cat. No.	Bulk Cat. No.	Type DSG	Plenum Rating	Usage	ANSI UL94 Flame Rating	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia. (in./mm)	Military Standard Part No.	Tensile Strength (lb./N)	Standard Pkg.	Bulk Pkg.	
TY523MX	TY23MX	2/21	AH-2	Indoor/ outdoor	V-2	0.09/2.29	3.62/91.95	0.87/22.00	MS3367-4	18/80.00	100	1000	
TY52315MX	TYB2315MX	2/21	AH-2	Indoor/ outdoor	V-2	0.09/2.29	7.00/177.80	1.25/32.00	-	18/80.00	100	1000	
TY5232MX	TY232MX	2/21	AH-2	Indoor/ outdoor	V-2	0.09/2.29	8.00/203.20	2.00/51.00	-	18/80.00	100	1000	
TY5234MX	TY234MX	2/21	AH-2	Indoor/ outdoor	V-2	0.09/2.29	14.00/355.60	4.00/102.00	-	18/80.00	100	1000	
TY524MX	TY24MX	2/21	AH-2	Indoor/ outdoor	V-2	0.14/3.56	5.50/139.70	1.38/35.00	MS3367-5	40/180.00	100	1000	
TY5242MX	TY242MX	2/21	AH-2	Indoor/ outdoor	V-2	0.14/3.56	8.19/208.03	2.00/51.00	-	40/180.00	100	1000	
TY526MX	TY26MX	2/21	AH-2	Indoor/ outdoor	V-2	0.14/3.56	11.10/281.94	3.00/76.00	-	30/130.00	100	1000	
TY5244MX	TY244MX	2/21	AH-2	Indoor/ outdoor	V-2	0.14/3.56	14.50/368.30	4.00/102.00	-	30/130.00	100	1000	
TY525MX	TY25MX	2S/21S	AH-2	Indoor/ outdoor	V-2	0.19/4.83	7.31/185.67	1.89/48.00	MS3367-1	50/222.00	100	1000	
TY5253MX	TY253MX	2S/21S	AH-2	Indoor/ outdoor	V-2	0.19/4.83	11.60/294.64	3.00/78.00	MS3367-7	50/222.00	100	1000	
TY528MX	TY28MX	2S/21S	AH-2	Indoor/ outdoor	V-2	0.19/4.83	14.20/360.68	4.00/102.00	MS3367-2	50/222.00	100	1000	
TY5272MX	TY272MX	2S/21S	N/A	Indoor/ outdoor	V-2	0.27/6.86	8.75/222.25	2.00/51.00	-	120/540.00	50	500	
TY527MX	TY27MX	2S/21S	N/A	Indoor/ outdoor	HB	0.27/6.86	13.40/340.36	4.00/102.00	MS3367-3	120/540.00	50	500	
TY5275MX	TY275MX	2S/21S	N/A	Indoor/ outdoor	HB	0.27/6.86	18.00/457.20	5.00/127.00	-	120/540.00	50	500	
TY5277MX	TY277MX	2S/21S	N/A	Indoor/ outdoor	HB	0.27/6.86	24.30/617.22	7.00/177.00	-	120/540.00	50	500	
TY529MX	TY29MX*	2S/21S	N/A	Indoor/ outdoor	HB	0.27/6.86	30.00/762.00	9.00/229.00	MS3367-6	120/540.00	50	500	
TY53510MX**	-	N/A	N/A	Indoor/ outdoor	N/A	0.32/8.13	35.00/889.00	10.00/254.00	-	175/778.40	50	-	
TY54513MX**	-	N/A	N/A	Indoor/ outdoor	N/A	0.32/8.13	45.00/330.20	13.00/330.20	-	175/778.40	50	-	

The colours you need in convenient packs!

Ty-Rap® Nylon 6/6 Cable Ties – Colour Assortment

- Construction – nylon 6/6, 316 stainless steel locking device



TY-RAP® NYLON 6/6 – WEATHER-RESISTANT

Bulk Cat. No.	Description	Type DSG	Plenum Rating	Usage	ANSI UL94 Fire Rating	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia. (in./mm)	Tensile Strength (lb./N)	Std. Pkg.
TY25M-CLRS	Multi-Coloured Natural Nylon (10 each of standard ten colours)	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	100
TY25M-0	Black, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-1	Brown, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-2	Red, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-3	Orange, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-4	Yellow, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-5	Green, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-6	Blue, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-7	Purple, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-8	Grey, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000
TY25M-9	White, Natural Nylon	2S/2IS	H2	Indoor only	V2	0.19/4.83	7.31/185.67	1.89/48.00	50/222.00	1000

For use in temperatures ranging from -60°C to 85°C (-76°F to 185°F)

•UL Listed Natural Nylon 6/6 Cable Ties are suitable for use in air handling spaces (plenums) in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC part I

•CSA Certified file 002884

•100 standard ties in black, brown, red, orange, yellow, green, blue, purple, grey and white (10 each)

•Recommended tooling – ERG-50, WT1-TB

Natural nylon is standard. For coloured Ty-Rap® ties, add the following suffix numbers to catalogue numbers.

Example: TY25M-2 would be red TY25M. (Consult Regional Sales Office for ordering information.)

How to Order Coloured Ty-Rap® Cable Ties and Accessories

■ Colour: **Black** Suffix No. **X**

□ Colour: **Outdoor** Suffix No.

■ Colour: **Brown** Suffix No. **1**

■ Colour: **Red** Suffix No. **2**

■ Colour: **Orange** Suffix No. **3**

■ Colour: **Yellow** Suffix No. **4**

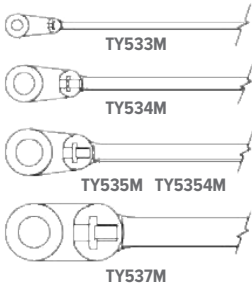
■ Colour: **Green** Suffix No. **5**

■ Colour: **Blue** Suffix No. **6**

■ Colour: **Purple** Suffix No. **7**

■ Colour: **Grey** Suffix No. **8**

□ Colour: **White** Suffix No. **9**

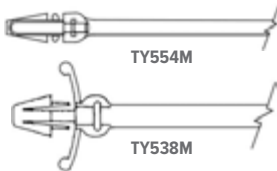


Great for use with screws, nuts and bolts for secure fastening to surfaces

TY-RAP® MOUNTING HEAD CABLE TIES

Std. Cat. No.	Bulk Cat. No.	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia (in./mm)	Mounting Hole	Tensile Strength (lb./N)	Std. Pkg.	Bulk Pkg.
TY533M	TY33M	0.09/2.29	4.00/101.60	0.63/16.00	#4	18/80.07	100	1000
TY534M	TY34M	0.14/3.56	6.00/152.40	1.13/28.70	#8	40/177.90	100	1000
TY535M	TY35M	0.18/4.57	7.80/198.12	1.75/44.45	#10	50/222.40	100	1000
TY5354M	TY354M	0.18/4.57	14.60/370.84	4.00/101.60	#10	50/222.40	100	1000
TY1435M	-	0.19/4.83	7.80/198.12	1.77/44.96	0.248	50/222.40	-	1000
TY635M	-	0.19/4.83	7.80/198.12	1.77/44.96	0.138	50/222.40	-	1000
TYF535M	TYF35M	0.19/4.83	7.24/183.90	1.77/44.96	0.138	50/222.40	100	1000
TY537M	TY37M	0.30/7.62	13.90/353.06	3.50/88.90	1/4	120/533.80	50	500

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from -40°C to 85°C (-40°F to 185°F).

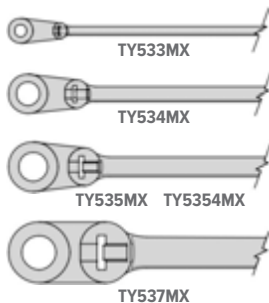


For use in 3/16 in. and 1/4 in. pre-drilled holes. Thickness panel 0.094 max. (TY554M) Range 0.04 - 0.156 (TY538M)

TY-RAP® PUSH MOUNT CABLE TIES

Std. Cat. No.	Bulk Cat. No.	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia (in./mm)	Mounting Hole	Tensile Strength (lb./N)	Std. Pkg.	Bulk Pkg.
TY554M	TY54M	0.14/3.56	5.96/151.38	1.13/28.70	3/16	40/177.90	100	1000
TY538M	TY38M*	0.18/4.57	7.80/198.12	1.75/44.45	1/4	50/222.40	100	1000

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from -40°C to 85°C (-40°F to 185°F).
* Nylon 6/6 UV weather-resistant version available (TY38MX).



The MX series cable ties are recommended for outdoor use.

TY-RAP® NYLON 6/6 WEATHER-RESISTANT

Std. Cat. No.	Bulk Cat. No.	Body Width (in./mm)	Length (in./mm)	Max. Wire Bundle Dia (in./mm)	Mounting Hole	Tensile Strength (lb./N)	Std. Pkg.	Bulk Pkg.
TY533MX	TY33MX	0.09/2.29	4.00/101.60	0.63/16.00	#4	18/80.07	100	1000
TY534MX	TY34MX	0.14/3.56	6.00/152.40	1.13/28.70	#8	40/177.90	100	1000
TY535MX	TY35MX	0.18/4.57	7.80/198.12	1.75/44.45	#10	50/222.40	100	1000
TY5354MX	TY354MX	0.18/4.57	14.60/370.84	4.00/101.60	#10	50/222.40	100	1000
TY537MX	TY37MX	0.30/7.62	13.90/353.06	3.50/88.90	1/4	120/533.80	50	500

Colour – Black
For use in temperatures ranging from -40°C to 85°C (-40°F to 185°F).

INSULATION

Heat Shrinkable Tubing

HEAT SHRINKABLE TUBING UP TO 3:1 - 1 M LENGTHS

- TREDUX thin wall
- TREDUX thin wall heat shrink tubing is used for general electrical insulation and mechanical protection of cables and wires.

FEATURES AND BENEFITS

- Thin walled, flexible, cross-linked polyolefin tubing
- 1m shrink tubing lengths delivered in handy display carton
- 9 sizes from 1.5 mm to 101.6 mm
- Colours: black and yellow/green



Material	Polyolefin, cross-linked (PO-X)	
Shrink ratio	2:1	3:1
Operating Temperature	-55 °C to +135 °C	
Minimum Shrink Temperature	+100 °C	
Longitudinal change after shrinkage	+/-5 % max.	
Dielectric Strength	20 kV/mm according to ASTM D 150	
Flammability	UL224 VW-1	
Specifications	CSA, SAE - AMS - DTL-23053/5 Class 1 and 3, SAE - AMS - DTL-23053/5 Class 2 (clear), UL224 125 °C 600V VW-1	

Huron Part No.	Cable Ø Range Take (mm)	W	H	D	P	D1	D2	Weight (g)
	1.5	0.5	0.50	1.0 m	20 pcs.	Black (BK)	3:1	319-00150
TREDUX-1.5/0.5	1.5	0.5	0.50	1.0 m	20 pcs.	Green-Yellow (GNYE)	3:1	319-00157
	3.0	1.0	0.60	1.0 m	20 pcs.	Black (BK)	3:1	319-00300
TREDUX-3/1	3.0	1.0	0.60	1.0 m	20 pcs.	Green-Yellow (GNYE)	3:1	319-00307
	6.0	2.0	0.70	1.0 m	15 pcs.	Black (BK)	3:1	319-00600
TREDUX-6/2	6.0	2.0	0.70	1.0 m	15 pcs.	Green-Yellow (GNYE)	3:1	319-00607
	12.0	4.0	0.85	1.0 m	10 pcs.	Black (BK)	3:1	319-01200
TREDUX-12/4	12.0	4.0	0.85	1.0 m	10 pcs.	Green-Yellow (GNYE)	3:1	319-01207
	24.0	8.0	1.20	1.0 m	5 pcs.	Black (BK)	3:1	319-02400
TREDUX-24/8	24.0	8.0	1.20	1.0 m	5 pcs.	Green-Yellow (GNYE)	3:1	319-02407
	38.1	19.1	1.02	1.0 m	6 pcs.	Black (BK)	2:1	319-03800
TREDUX-38.1/19.1	38.1	19.1	1.02	1.0 m	6 pcs.	Green-Yellow (GNYE)	2:1	319-03807
	50.8	25.4	1.14	1.0 m	6 pcs.	Black (BK)	2:1	319-05100
TREDUX-50.8/25.4	50.8	25.4	1.14	1.0 m	6 pcs.	Black (BK)	2:1	319-05100
	76.2	38.1	1.27	1.0 m	3 pcs.	Black (BK)	2:1	319-07600
TREDUX-76.2/38.1	76.2	38.1	1.27	1.0 m	3 pcs.	Black (BK)	2:1	319-07600
	101.6	50.8	1.40	1.0 m	2 pcs.	Black (BK)	2:1	319-10200
TREDUX-101.6/50.8	101.6	50.8	1.40	1.0 m	2 pcs.	Black (BK)	2:1	319-10200



2:1 Heatshrink Tubing on Rolls

The products listed below are available in the following colours: Black, Clear, Red, Yellow, Blue, White, Green, Brown, Grey and Earth (Green/Yellow). Please specify when ordering.



2:1 Heatshrink Tubing in Mini Boxes

The products listed below are available in the following colours: Black, Clear, Red, Yellow, Blue, White, Green, Brown, Grey and Earth (Green/Yellow). Please specify when ordering.



2:1 RATIO ON ROLLS			
Part No.	As supplied (Before Recovery) Inside Diameter	After Recovery Inside Diameter	Packaging
HS 212	1.2mm	0.6mm	300m Roll
HS 216	1.6mm	0.8mm	300m Roll
HS 224	2.4mm	1.2mm	150m Roll
HS 232	3.2mm	1.6mm	150m Roll
HS 248	4.8mm	2.4mm	75m Roll
HS 264	6.4mm	3.2mm	60m Roll
HS 295	9.5mm	4.7mm	60m Roll
HS 2127	12.7mm	6.4mm	60m Roll
HS 2191	19.1mm	9.5mm	60m Roll
HS 2254	25.4mm	12.7mm	30m Roll
HS 2381	38.1mm	19.0mm	30m Roll
HS 2508	50.8mm	25.4mm	30m Roll
HS 2762	76.2mm	38.1mm	15m Roll
HS 21016	101.6mm	50.8mm	15m Roll

2:1 RATIO IN MINI BOXES			
Part No.	As supplied (Before Recovery) Inside Diameter	After Recovery Inside Diameter	Packaging
HSMB 12	1.2mm	0.6mm	20m Mini-Box
HSMB 16	1.6mm	0.8mm	17m Mini-Box
HSMB 24	2.4mm	1.2mm	15m Mini-Box
HSMB 32	3.2mm	1.6mm	15m Mini-Box
HSMB 48	4.8mm	2.4mm	12m Mini-Box
HSMB 64	6.4mm	3.2mm	12m Mini-Box
HSMB 95	9.5mm	4.7mm	8m Mini-Box
HSMB 127	12.7mm	6.4mm	8m Mini-Box
HSMB 191	19.1mm	9.5mm	5m Mini-Box
HSMB 254	25.4mm	12.7mm	5m Mini-Box

Electric Hot Air Gun

SPECIFICATION:

Material: Flame retardant crosslinked Polyolefin.
 Voltage: 600V.
 Shrink Temperature: 90°C.
 Working Temperature: -55°C to 125°C.
 Wall Type: Standard.
 UL approved.
 2:1 Ratio in Mini Boxes



GENERAL USE BAND & BUCKLE BAND-IT® Band 201 Stainless Steel

BAND-IT®
THE CLAMPING EXPERTS

201 STAINLESS STEEL BAND-IT® BAND							
Part No.	Material	Width (in./mm)	Thickness (in./mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs/kg)	Application Tools
C20299	201 SS	1/4 / 6.4	0.020/0.51	500	100'/Roll	1.7/0.7	C00169
C20399	201 SS	3/8 / 9.6	0.025/0.64	900	100'/Roll	3.2/1.5	C00169
C203Y9	201 SS	3/8 / 9.6	0.025/0.64	900	Yellow Tote 100'/Roll	3.6/1.6	C00369
C20499	201 SS	1/2 / 12.7	0.030/0.76	1500	100'/Roll	5.1/2.3	C07569
C204B9	201 SS	1/2 / 12.7	0.030/0.76	1500	Blue Tote 100'/Roll	5.5/2.5	C07569
C20599	201 SS	5/8 / 15.8	0.030/0.76	1875	100'/Roll	6.4/2.9	C40099
C205G9	201 SS	5/8 / 15.8	0.030/0.76	1875	Green Tote 100'/Roll	6.8/3.1	C40099
C20699	201 SS	3/4 / 19.1	0.030/0.76	2250	100'/Roll	7.7/3.5	J02069*
C206R9	201 SS	3/4 / 19.1	0.030/0.76	2250	Red Tote 100'/Roll	8.2/3.7	J02069*



BAND-IT® BUCKLE EAR-LOKT STYLE							
Part No.	Material	Width (in./mm)	Thickness (in./mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs/kg)	Application Tools
C25299**	201 SS	1/4 / 6.4	-	-	100/Box	0.3 / 0.1	-
C25399	201 SS	3/8 / 9.6	-	-	100/Box	0.8 / 0.4	-
C25499	201 SS	1/2 / 12.7	-	-	100/Box	2.1/1.0	-
C25599	201 SS	5/8 / 15.8	-	-	100/Box	2.4 / 1.1	-
C25699	201 SS	3.4 / 19.1	-	-	100/Box	3.7 / 1.7	-



Band 201 Stainless Steel

GIANT BAND								
Part No.	Material	Width (in./mm)	Thickness (in./mm)	Strength (lbs)	Package Quantity	Weight (lbs/kg)	Finish	Tools
G43099*	201 SS	3/4 / 19.1	0.044 / 1.10	3300	100/Box	11.6 / 5.4	-	C00369
G43199	201 SS	1 / 25.4	0.044 / 1.10	4400	100/Box	13.7 / 6.4	-	G40269
G43299	201 SS	1-1/4 / 31.8	0.044 / 1.10	5500	100/Box	17.2 / 8.0	-	G40269
G46099	201 SS	3/4 / 19.1	0.044 / 1.10	3300	100/Box	11.6 / 5.4	Matte	-
G46299	201 SS	1-1/4 / 31.8	0.044 / 1.10	5500	100/Box	17.2 / 8.0	Matte	-

GIANT BUCKLE EAR-LOKT STYLE								
Part No.	Material	Width (in./mm)	Thickness (in./mm)	Strength (lbs)	Package Quantity	Weight (lbs/kg)	Finish	Tools
G44099	201 SS	3/4 / 19.1	-	-	25/Box	1.8 / 0.8	-	-
G44199	201 SS	1 / 24.4	-	-	25/Box	2.4 / 1.1	-	-
G44299	201 SS	1-1/4 / 31.8	-	-	25/Box	3.2 / 1.4	-	-



*C00369 tool to be used 3/4"



SCRU-LOKT BUCKLE STAINLESS STEEL							
Part No.	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C72099	301 SS 1/4 Hard	1/4	6.4	50/Box	0.3	0.1	
C72299	301 SS 1/4 Hard	3/8	9.6	50/Box	0.5	0.2	
C72499	301 SS 1/4 Hard	1/2	12.7	25/Box	0.5	0.2	Hex Key
C72599	201 SS	5/8	15.8	25/Box	0.8	0.4	
C72699	201 SS	3/4	19.1	25/Box	0.9	0.4	



GENERAL USE BAND & BUCKLE

Type 200-300 Stainless steel

VALU STRAPTM BAND STAINLESS STEEL										
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C13199	200/300 SS	3/16	4.8	0.015	0.38	280	100'/Roll	1.2	0.5	
C13399	200/300 SS	3/8	9.6	0.015	0.38	450	100'/Roll	2.2	1.0	
C13499	200/300 SS	1/2	12.7	0.015	0.38	600	100'/Roll	2.9	1.3	C00169
C13599	200/300 SS	5/8	15.8	0.015	0.38	750	100'/Roll	3.6	1.7	C00369
C13699	200/300 SS	3/4	19.1	0.015	0.38	900	100'/Roll	4.4	2.0	C07569
C12799	200/300 SS	3/8	9.6	0.015	0.38	450	200'/Roll	4.4	2.0	C08569
C12899	200/300 SS	1/2	12.7	0.015	0.38	600	200'/Roll	5.8	2.6	C40099
C12999	200/300 SS	5/8	15.8	0.015	0.38	750	200'/Roll	7.3	3.2	J02069*
C13099	2200/300 SS	3/4	19.1	0.015	0.38	900	200'/Roll	8.8	3.9	J02069*

These products are available in 300' rolls & Full Mill Coil.



*The J02069 can be used with 3/8" maximum width product).

VALU-STRAPTM PLUS BAND STAINLESS STEEL

Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Breaking Strength (lbs)	Part No.	Material	Width (in)	Width (mm)
C19199	200/300 SS	3/8	9.6	0.020	0.51	600	C19199	200/300 SS	3/9	595.5
C18189	200/300 SS	1/2	12.7	0.020	0.51	850	C18189	200/300 SS	1/3	843.9
C17199	200/300 SS	5/8	15.8	0.020	0.51	1000	C17199	200/300 SS	5/9	992.4
C16189	200/300 SS	3/4	19.1	0.020	0.51	1275	C16189	200/300 SS	3/4	1265.7
C19399	200/300 SS	3/8	9.6	0.020	0.51	600	C19399	200/300 SS	3/8	595.5
C128389	200/300 SS	1/2	12.7	0.020	0.51	850	C18389	200/300 SS	1/3	843.9
C17399	200/300 SS	5/8	15.8	0.020	0.51	1000	C17399	200/300 SS	5/9	992.4
C16389	200/300 SS	3/4	19.1	0.020	0.51	1275	C16389	200/300 SS	3/5	1265.7



VALUBAND STAINLESS STEEL

Part No. Valuband	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C14499	200/300 SS	1/2	12.7	0.025	0.64	1000	100'/Roll	4.5	2.0	
C14599	200/300 SS	5/8	15.8	0.025	0.64	1250	100'/Roll	5.6	2.6	
C14699	200/300 SS	3/4	19.1	0.025	0.64	1590	100'/Roll	6.7	3.0	C00169
C14899	200/300 SS	1/2	12.7	0.025	0.64	1000	200'/Roll	9.0	4.0	C00369
C14999	200/300 SS	5/8	15.8	0.025	0.64	1250	200'/Roll	11.2	5.2	C07569
C15099	200/300 SS	3/4	19.1	0.025	0.64	1590	200'/Roll	13.4	6.0	C08569

BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.



GENERAL USE BAND & BUCKLE

Stainless steel Valuclip



STAINLESS STEEL VALUCLIP						
Part No. Valucup	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
C15199	200/300 SS	3/16	4.8	100/Box	0.2	0.1
C15399	200/300 SS	3/8	9.6	100/Box	0.6	0.3
C15499	200/300 SS	1/2	12.7	100/Box	1.1	0.5
C15599	200/300 SS	5/8	15.8	100/Box	1.2	0.5
C15699	200/300 SS	3/4	19.1	100/Box	2.1	0.9

STAINLESS STEEL CLIP						
Part No. Stainless Steel Clip	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
C25299	200/300 SS	1/4	6.4	100/Box	0.3	0.1
L15399	200/300 SS	3/8	9.6	100/Box	0.9	0.4
L15499	200/300 SS	1/2	12.7	100/Box	1.5	0.7
L15599	200/300 SS	5/8	15.8	100/Box	1.8	0.8
L15699	200/300 SS	3/4	19.1	100/Box	2.6	1.2
L15789	304 SS	5/8	15.8	1000/Box	9.7	4.4

GALVANIZED CARBON STEEL "GCS"

Carbon steel which has been electro galvanized. This is an economical choice offering medium strength.

GALVANIZED CARBON STEEL BAND										
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C30399	GCS	3/8	9.6	0.025	0.63	700	100/Roll	3.3	1.6	C00169
C30499	GCS	1/2	12.7	0.025	0.63	1125	100/Roll	5.1	2.4	C00369
C30599	GCS	5/8	15.8	0.025	0.63	1405	100/Roll	6.4	3.0	C07569
										C08569
C30699	GCS	3/4	19.1	0.025	0.63	1690	100/Roll	7.7	3.6	C40099
J02069*										

These products are available in Full Mill Coil.
*The J02069 can be used with 3/8" maximum width product.



GALVANIZED CARBON STEEL BUCKLE						
Part No.	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
C35399	GCS	3/8	9.6	100/Box	0.8	0.4
C35499	GCS	1/2	12.7	100/Box	2.1	1.0
C35599	GCS	5/8	15.8	100/Box	2.4	1.1
C35699	GCS	3/4	19.1	100/Box	3.7	1.7



CORROSION RESISTANT BAND & BUCKLE Type 304 Stainless Steel Band

This alloy will provide a very good corrosion resistance in fresh water and industrial atmospheres. Often selected for light duty applications in food processing, chemical, power transmission and cable management.

GALVANIZED CARBON STEEL BAND										
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C90399	304 SS	3/8	9.6	0.015	0.38	450	200'/Roll	4.4	2.0	
C91399	304 SS	3/8	9.6	0.020	0.51	600	200'/Roll	5.9	2.7	C00169
C90499	304 SS	1/2	12.7	0.015	0.38	600	200'/Roll	5.8	2.6	C00369
C91499	304 SS	1/2	12.7	0.020	0.51	850	200'/Roll	7.6	3.4	C07569
C90599	304 SS	5/8	15.8	0.015	0.38	750	200'/Roll	7.3	3.2	C08569
C91599	304 SS	5/8	15.8	0.020	0.51	1000	200'/Roll	9.5	4.3	C40099
C90699	304 SS	3/4	19.1	0.015	0.38	900	200'/Roll	8.8	3.9	J02069*
C91699	304 SS	3/4	19.1	0.020	0.51	1275	200'/Roll	11.3	5.0	

Contact us if you unable to find what you are looking for **0208 900 2082** or sales@bentechuk.com



TYPE 316 STAINLESS STEEL BAND (COATED & UNCOATED)

Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
AE4329	316 SS	1/4	6.4	0.048**	1.22**	335	82.5/Roll	2.0	0.9	
AE4339	316 SS	3/8	9.6	0.048**	1.22**	505	82.5/Roll	2.6	1.2	C07569
AE4349	316 SS	1/2	12.7	0.048**	1.22**	670	82.5/Roll	3.5	1.6	C08569
AE4359	316 SS	5/8	15.8	0.048**	1.22**	840	82.5/Roll	4.4	2.0	C40069
AE4369	316 SS	3/4	19.1	0.048**	1.22**	1000	82.5/Roll	5.3	2.4	
C40299	316 SS	1/4	6.4	0.020	0.51	400	100'/Roll	2.0	0.9	
C40399	316 SS	3/8	9.6	0.025	0.64	750	100'/Roll	3.5	1.6	
C403Y9	316 SS	3/8	9.6	0.025	0.64	750	Yellow Tote 100'/Roll	3.7	1.7	
C40499	316 SS	1/2	12.7	0.030	0.76	1200	100'/Roll	4.9	2.2	
C404B9	316 SS	1/2	12.7	0.030	0.76	1200	Blue Tote 100'/Roll	5.6	2.6	
C40599	316 SS	5/8	15.8	0.030	0.76	1500	100'/Roll	6.2	2.8	
C40569	316 SS	5/8	15.8	0.030	0.76	1500	Green Tote 100'/Roll	6.9	3.1	
C40699	316 SS	3/4	19.1	0.030	0.76	1800	100'/Roll	7.5	3.4	
C406R9	316 SS	3/4	19.1	0.030	0.76	1800	Red Tote 100'/Roll	8.2	3.7	
C44499	316 SS	1/2	12.7	0.015	0.38	600	200'/Roll	5.7	2.6	
C444B9	316 SS	1/2	12.7	0.015	0.38	600	Blue Tote 200'/Roll	5.8	2.7	
C44599	316 SS	5/8	15.8	0.015	0.38	750	200'/Roll	6.7	3.0	
C445G9	316 SS	5/8	15.8	0.015	0.38	750	Green Tote 200'/Roll	6.9	3.1	
C44699	316 SS	3/4	19.1	0.015	0.38	900	200'/Roll	8.3	3.8	
C446R9	316 SS	3/4	19.1	0.015	0.38	900	Red Tote 200'/Roll	8.4	3.8	

*The J02069 can be used with 3/8" maximum width product.

C00169
C00369
C07569
C08569
C40099
C40099



316 STAINLESS STEEL EAR-LOKT BUCKLE

Part No.	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
C45299**	316 SS	1/4	6.4	100/Box	0.3	0.1
C45399	316 SS	3/8	9.6	100/Box	0.8	0.4
C45499	316 SS	1/2	12.7	100/Box	2.1	1.0
C45599	316 SS	5/8	15.8	100/Box	2.4	1.1
C45699	316 SS	3/4	19.1	100/Box	3.7	1.7

316 STAINLESS STEEL CLIP

Part No.	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
AE4529	316 SS	1/4	6.4	100/Box	0.3	0.1
AE4539	316 SS	3/8	9.6	100/Box	0.6	0.3
AE4549	316 SS	1/2	12.7	100/Box	1.0	0.4
AE4559	316 SS	5/8	15.8	100/Box	1.1	0.5
AE4569	316 SS	3/4	19.1	100/Box	1.3	0.6

CORROSION RESISTANT BAND & BUCKLE

Type 317L Stainless Steel Band

This alloy has superior corrosion resistance and is typically used to wrap bleach drums in the pulp and paper mills. The "L" indicates a low carbon content, which significantly improves its welding characteristics.

GALVANIZED CARBON STEEL BAND										
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (kg)	Application Tools
C41399	317L 1/4 Hard SS	3/8	9.6	0.030	0.76	1290	300'/Roll	11.9	5.3	
C42499	317L 1/4 Hard SS	1/2	12.7	0.020	0.51	1160	300'/Roll	10.2	4.6	C00169
C41499	317L 1/4 Hard SS	1/2	12.7	0.030	0.76	1725	300'/Roll	15.9	7.2	C00369
C41599	317L 1/4 Hard SS	5/8	15.8	0.030	0.76	2150	300'/Roll	19.9	9.0	C40099
C41699	317L 1/4 Hard SS	3/4	19.1	0.030	0.76	2580	300'/Roll	23.9	10.8	

These products available in Full Mill Coil.



ALLOY 400 BAND <small>This material of choice for submerged marine and harsh chemical applications</small>										
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (mm)	Application Tools
C80399	Alloy 400 Band	3/8	9.6	0.025	0.64	630	100'/Roll	3.7	1.7	C00169
C80499	Alloy 400 Band	1/2	12.7	0.030	0.76	1050	100'/Roll	5.1	2.4	C00369
C80599	Alloy 400 Band	5/8	15.8	0.030	0.76	1310	100'/Roll	7.7	3.5	C40099
C80699	Alloy 400 Band	3/4	19.1	0.030	0.76	1595	100'/Roll	7.7	3.6	J02069*

*The J02069 can be used with 3/8" maximum width product.



ALLOY 400 BUCKLE						
Part No.	Material	Width (in)	Width (mm)	Package Quantity	Weight (lbs)	Weight (kg)
C85399	Alloy 400	3/8	9.6	100/Box	0.8	0.4
C85499	Alloy 400	1/2	12.7	100/Box	2.1	1.0
C85599	Alloy 400	5/8	15.8	100/Box	2.4	1.0
C85699	Alloy 400	3/4	19.1	100/Box	3.7	1.7



SPECIAL PURPOSE BAND

All Purpose Band (coated & uncoated)

ALL PURPOSE BAND COATED											
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (mm)	Application Tools	
AE4759	316 SS	1/2	12.7	0.050	1.3	0.19	5	82.5/Roll	3.1	1.4	
AE4769	316 SS	3/4	19.1	0.050	1.3	0.27	7	82.5/Roll	5.3	2.4	
AE4779	316 SS	1	25.4	0.050	1.3	0.31	8	82.5/Roll	7.3	3.3	

NOTE: Material thickness includes PPA 571 coating - Base material thickness is 0.030"

ALL PURPOSE BAND UNCOATED											
Part No.	Material	Width (in)	Width (mm)	Thickness (in)	Thickness (mm)	Average Breaking Strength (lbs)	Package Quantity	Weight (lbs)	Weight (mm)	Application Tools	
AE4259	316 SS	1/2	12.7	0.030	0.76	0.19	5	82.5/Roll	3.1	1.4	
AE4269	316 SS	3/4	19.1	0.030	0.76	0.27	7	82.5/Roll	4.6	2.1	
AE4279	316 SS	1	25.4	0.030	0.76	0.31	8	82.5/Roll	5.5	2.5	

BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.



AE4759



AE4259

ERICO[®]
Thomas & Betts

legrand[®]

UNISTRUT[®]



Clamps & Clips



• BC200-CD
Conduit to Beam
Clamp



• EM-P Conduit to
Flange Clip



• H-PSM Conduit to
Flange Clip, Side



• BC-P Conduit to
Beam Clamp



• BC-PSM Conduit
to Beam Clamp



• H-PIN Conduitto
Flange Clip



• EM-M Conduitto/
Pipeto Flange Clip



• H-MSM Conduit/
Pipe to Flange
Clip, Side Mount



• BC-M Conduit to
Beam Clamp



• BC-MSM Conduit
to Beam Clamp,
Side Mount



• HK Cable Snap Clip



• HSC Hole Snap Clip



• LB3B Cable Snap Clip



• LF2/LF3 Cable
Snap Clip



• LF4/LF5 Cable
Snap Clip



• LR Cable Snap Clip



• LSC Cable Snap Clip



• SC Cable Snap Clip



• Solar Snap Clip



• SCA Cable Snap
Clip Adaptor



• Cable Tray Support
for Air Handling
Spaces



• SCB Cable Snap
Clip Adaptor



• SCD Dovetail
Mount Cable Snap
Clip Adaptor



• MC/AC Cable to
Flange Clip, Side
Mount



• Cable Tie with
Flange Clip



- Cable Tie Holder with Flange Clip



- Cable Tie Holder with Inverted Flange Clip



- Cable to Flange Clip



- Double Cable to Flange Clip



- Cable Retainer Strap with Flange Clip



- Snap Close Conduit/Pipe Clamp with Shot-Fire Bracket



- Snap Close Conduit Clamp with Z Shot-Fire Bracket



- Push In Conduit Clamp with Shot Fire-Bracket



- Push In Conduit Clamp with Z Shot Fire-Bracket



- Bolt Close Conduit Pipe Clamp with Z Shot Fire-Bracket



- Bolt Close Conduit/Pipe Clamp with Z Shot-Fire Bracket



- Snap Close Conduit Clamp with Nail Bracket



- MC/AC Cable Support with Shot Fire-Bracket



- MC/AC Cable Clip with Shot-Fire Bracket



- 123-M Conduit to Z Purlin Clip



- 123-P Conduit to Z Purlin Clip



- J-CT Cable Tie Holder with C Purlin Clip



- PW2-CT Cable Tie Holder with C Purlin Clip



- Cable/Conduit Clip



- Cable /Conduit to Wire Clip



- PCS-M Conduit to Wire Clip



- Snap Close Conduit to Rod/Wire Clip



- ESC-M Conduit to Strut Clip



- Push In Conduit Clamp



- Snap Close Conduit/Pipe Clamp



• Bolt Close Conduit/
Pipe Clamp



• Push In Conduit to
Conduit Clamp



• Wall Mount
Conduit Clip



• C-EC Cable to
Strut Clamp



• C-ERU Cable to
Flange/Pole Clamp



• C-EU Single Cable
to Flange Clamp



• C-EU Multi-Cable
to Flange Clamp



• C-ES Cable to Vertical
Flange Clamp



• C-GW Cable
Protection Plate



• C-LW Protection Plate
for Cable Clamps



• C-HW Coaxial/HF
Cable Protector



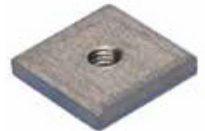
• Pipe/Cable Clamp



• Multi-Function
C-Clamp



• Flange Protector for
Multi-Function C-Clamp



• Square Nut for Multi-
Function C-Clamp



• WMX Cable
Hanger



• Wire Basket Tray Clip



• Cable Tray Support
Bracket



• Cable Tray with Flange
Clip



• Cable Tray to Rod Clip



• 300M Universal
Beam Clamp



• 310M Universal Beam
Clamp, Thick Flange



• SBC Stamped Beam
Clamp, Top Mount



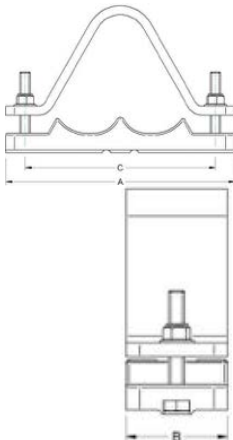
• EBC Beam Clamp



• BC200/BC400 Beam
Clamp



ORION CLEAT 376 SERIES



BS EN61914	Clause	Classification
Type	6.1.1.	Composite
Operating Temperature	6.2	-40 °C to +105 °C
Impact resistance	6.3	Heavy
Needle Flame	10.1	>120 secs

BS EN61914	Clause	Classification
Resistance to Short Circuit	6.4.4 (2 short circuit) (HV Cable used)	31kA rms, 80kA peak
Corrosion	6.5.2	-High, Outdoor - wet conditions (coating required for marine locations)

Cable and Cleat Selection				Cleat Details					
Design Number		Cable Diameter		Dimensions (mm)					
		(NN)	.JO	.BY	"	\$	B	'JYJOH 4J[F	8FJHIU (LH)
3765306	3765&06	6Z	75	75	260	Z16	80	.1Z	Z.484
3765307	3765&07	75	R0	R0	ZR5	Z51	80	.1Z	3.3Z6
3765308	3765&08	R0	107	107	340	ZR6	100	.1Z	4.168
376530R	3765&0R	107	1ZR	1ZR	3R0	346	100	.1Z	4.R51
3765310	3765&10	1ZR	155	155	450	406	1Z5	.1Z	R.500
3765311	3765&11	155	186	186	5Z5	481	150	.1Z	11.536

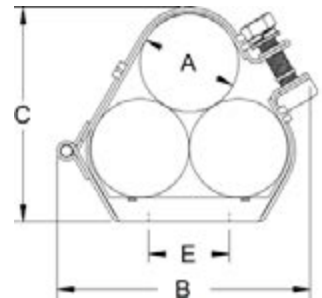
SIRIUS CLEAT 379 SERIES



BS EN61914	Clause	Classification
Type	6.1.3	Composite
Operating Temperature	6.2	-40 °C to +120 °C
Impact resistance	6.3	V.Heavy
Needle Flame	10.1	>120 secs

Clause	Classification
Resistance to Short Circuit	80kA rms, 175kA peak, $\phi=36\text{mm}$, Spacing = 300mm 6.4.3 (1 short circuit) 6.4.4 (2 short circuit)
Corrosion	67.5kA rms, 146kA peak, $\phi=36\text{mm}$, Spacing = 300mm 6.5.2 -High, Outdoor - wet conditions

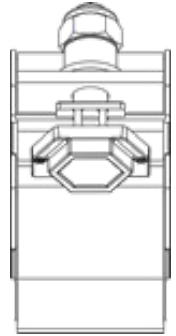
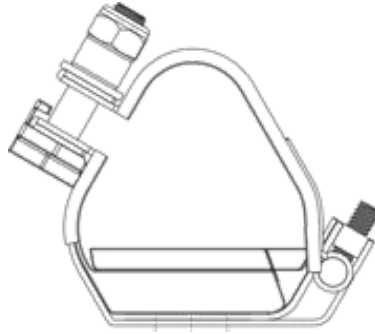
Design number	Cable Diameter		Dimensions (mm)				
	A (mm)	B	C (Max)	D	E	Weight (g)	
	Min	Max					
379TC01	23	28	86	71	60	Centre hole only	500
379TC02	27	32	92	78	60	25	531
379TC03	30	35	98	84	60	25	558
379TC04	33	38	102	90	60	25	585
379TC05	36	42	108	97	60	25	624
379TC06	40	46	115	105	60	25	657
379TC07	44	50	120	112	60	25	693
379TC08	48	55	129	121	60	50	734
379TC09	51	58	133	127	60	50	764
379TC10	55	62	140	134	60	50	795
379TC11	59	66	145	142	60	50	831
379TC12	63	70	150	150	60	50	869
379TC13	67	74	157	157	60	75	905
379TC14	71	78	164	164	60	75	939
379TC15	74	82	172	172	60	75	975
379TC16	77	85	178	178	60	75	1010
379TC17	82	88	184	184	60	100	1046
379TC18	88	96	200	198	60	100	1081
379TC19	96	103	214	210	60	100	1117
379TC20	103	111	230	225	60	125	1152
379TC21	111	119	245	240	60	125	1188
379TC22	119	128	264	257	60	150	1223





CONQUEROR

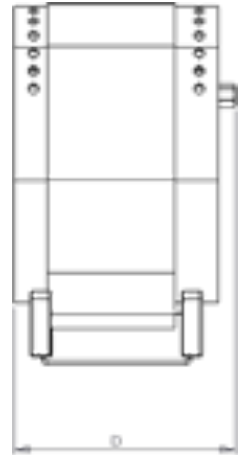
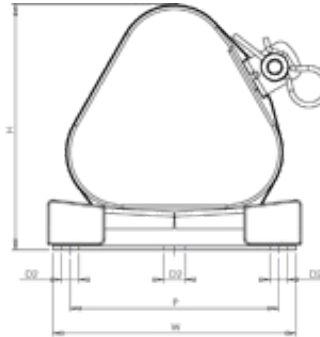
Heavy Duty Stainless Steel Hinged Cable Cleat



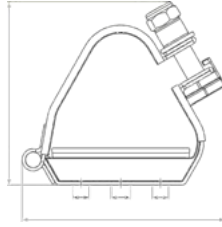
CABLE CLEAT SELECTION TABLE		Dimensions						
Conqueror Part No.	Cable Ø Range Take (mm)	W	H	D	P	Fixing Hole Ø		Weight (g)
						D1	D2	
RTSS019023	19-23	99	84	54	25	2 x M10	1 x M12	420
RTSS023032	23-32	122	99	54	25	2 x M10	1 x M12	509
RTSS030039	30-39	126	111	54	25	2 x M10	1 x M12	534
RTSS037046	37-46	132	117	54	25	2 x M10	1 x M12	557
RTSS044053	44-53	151	128	54	50	2 x M10	1 x M12	676
RTSS051060	51-60	154	139	54	50	2 x M10	1 x M12	694
RTSS058067	58-67	157	151	54	50	2 x M10	1 x M12	727
RTSS065074	65-74	176	163	54	75	2 x M10	1 x M12	839
RTSS072081	72-81	182	175	54	75	2 x M10	1 x M12	866
RTSS079088	79-88	191	190	54	75	2 x M10	1 x M12	900
RTSS086095	86-95	216	202	54	75	2 x M10	1 x M12	1023
RTSS093102	93-102	222	215	54	75	2 x M10	1 x M12	1050
RTSS100109	100-109	228	228	54	75	2 x M10	1 x M12	1079
RTSS107116	107-116	254	241	54	75	2 x M10	1 x M12	1199
RTSS114123	114-123	257	254	54	75	2 x M10	1 x M12	1228
RTSS121130	121-130	268	267	54	75	2 x M10	1 x M12	1255

CYCLONE

Standard Duty Cable Cleat with Aluminium Base



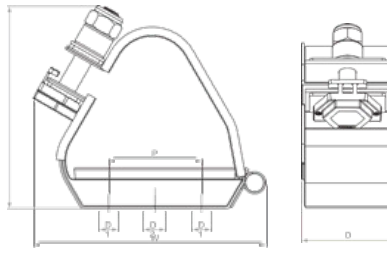
Cyclone PART NO	Intermediate Restraint Part No.	Dimensions								Fixing Hole Ø		Weight (g)
		single	trefoil	quad	W	H	D	P	D1	D2		
1CYC024034	2STR024034	36-50	24-34	21-29	108	96	89	80	2 x M10	1 x M12	347	
1CYC030041	2STR030041	45-60	30-41	26-35	108	109	89	80	2 x M10	1 x M12	358	
1CYC037047	2STR037047	55-69	37-47	32-40	128	120	89	100	2 x M10	1 x M12	393	
1CYC043054	2STR043054	64-80	43-54	37-46	128	134	89	100	2 x M10	1 x M12	406	
1CYC050060	2STR050060	75-88	50-60	43-51	148	145	89	120	2 x M10	1 x M12	465	
1CYC056067	2STR056067	83-99	56-67	49-57	148	158	89	120	2 x M10	1 x M12	478	
1CYC063073	2STR063073	94-108	63-73	55-62	168	170	89	140	2 x M10	1 x M12	514	
1CYC069080	2STR069080	103-118	69-80	60-68	168	183	89	140	2 x M10	1 x M12	527	
1CYC072085	2STR072085		72-85		188	193	89	160	2 x M10	1 x M12	596	
1CYC082095	2STR082095		82-95		188	212	89	160	2 x M10	1 x M12	615	
1CYC092105	2STR092105		92-105		210	231	89	100	2 x M10	1 x M12	653	
1CYC102115	2STR102115		102-115		210	250	89	100	2 x M10	1 x M12	672	
1CYC112125	2STR112125		112-125		235	269	89	100	2 x M10	1 x M12	751	
1CYC122135	2STR122135		122-135		235	288	89	100	2 x M10	1 x M12	771	
1CYC132145	2STR132145		132-145		250	307	89	120	2 x M10	1 x M12	808	



HURON

Aluminium Hinged Cable Cleat

CABLE CLEAT SELECTION TABLE			Dimensions (mm)				Fixing Hole Ø		Weight (g)
Huron Part No.	Cable Ø Range Take (mm)	W	H	D	P	D1	D2		
LDAL019023	19-23	100	87	54	25	2 x M10	1 x M10	213	
LDAL023028	23-28	104	88	54	25	2 x M10	1 x M10	235	
LDAL027032	27-32	106	97	54	25	2 x M10	1 x M10	242	
LDAL030035	30-35	108	103	54	25	2 x M10	1 x M10	248	
LDAL033038	33-38	110	107	54	25	2 x M10	1 x M10	251	
LDAL036042	36-42	132	108	54	50	2 x M10	1 x M10	295	
LDAL040046	40-46	134	113	54	50	2 x M10	1 x M10	302	
LDAL044050	44-50	136	121	54	50	2 x M10	1 x M10	309	
LDAL048055	48-55	138	127	54	50	2 x M10	1 x M10	320	
LDAL051058	51-58	140	130	54	50	2 x M10	1 x M10	326	
LDAL055062	55-62	157	138	54	75	2 x M10	1 x M10	363	
LDAL059066	59-66	157	145	54	75	2 x M10	1 x M10	371	
LDAL063070	63-70	160	152	54	75	2 x M10	1 x M10	378	
LDAL067074	67-74	163	160	54	75	2 x M10	1 x M10	386	
LDAL071078	71-78	168	167	54	75	2 x M10	1 x M10	395	
LDAL074082	74-82	190	175	54	75	2 x M10	1 x M10	444	
LDAL077085	77-85	192	180	54	75	2 x M10	1 x M10	450	
LDAL082088	82-88	193	186	54	75	2 x M10	1 x M10	455	
LDAL088096	88-96	202	201	54	75	2 x M10	1 x M10	472	
LDAL096103	96-103	214	215	54	75	2 x M10	1 x M10	486	
LDAL103111	103-111	237	229	54	75	2 x M10	1 x M10	545	
LDAL111119	111-119	248	244	54	75	2 x M10	1 x M10	561	
LDAL119128	119-128	265	260	54	75	2 x M10	1 x M10	591	

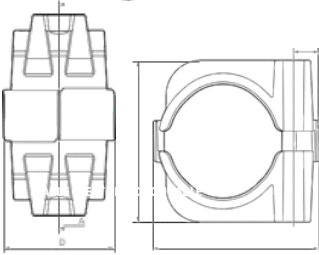


PATRIOT

Standard Duty Stainless Steel Hinged Cable Cleat

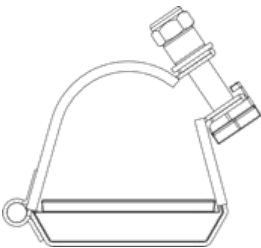
CABLE CLEAT SELECTION TABLE		Dimensions (mm)					Fixing Hole Ø		Weight (g)
Patriot Part No.	Cable Ø Range Take (mm)	W	H	D	P	D1	D2		
SDSS017021	17-21	95	84	54	25	2 x M10	1 x M10	305	
SDSS019024	19-24	97	87	54	25	2 x M10	1 x M10	312	
SDSS023028	23-28	99	92	54	25	2 x M10	1 x M10	318	
SDSS027032	27-32	102	97	54	25	2 x M10	1 x M10	324	
SDSS030035	30-35	104	101	54	25	2 x M10	1 x M10	329	
SDSS033038	33-38	106	104	54	25	2 x M10	1 x M10	336	
SDSS036042	36-42	125	109	54	50	2 x M10	1 x M10	395	
SDSS040046	40-46	128	114	54	50	2 x M10	1 x M10	403	
SDSS044050	44-50	132	116	54	50	2 x M10	1 x M10	409	
SDSS048055	48-55	136	123	54	50	2 x M10	1 x M10	420	
SDSS051058	51-58	138	129	54	50	2 x M10	1 x M10	426	
SDSS055062	55-62	158	136	54	75	2 x M10	1 x M10	482	
SDSS059066	59-66	158	144	54	75	2 x M10	1 x M10	489	
SDSS063070	63-70	159	151	54	75	2 x M10	1 x M10	496	
SDSS067074	67-74	165	159	54	75	2 x M10	1 x M10	504	
SDSS071078	71-78	172	166	54	75	2 x M10	1 x M10	513	
SDSS074082	74-82	188	174	54	75	2 x M10	1 x M10	588	
SDSS077085	77-85	189	179	54	75	2 x M10	1 x M10	593	
SDSS082088	82-88	190	185	54	75	2 x M10	1 x M10	598	
SDSS088096	88-96	202	200	54	75	2 x M10	1 x M10	614	
SDSS096103	96-103	215	213	54	75	2 x M10	1 x M10	628	
SDSS103111	103-111	234	228	54	75	2 x M10	1 x M10	710	
SDSS111119	111-119	248	243	54	75	2 x M10	1 x M10	726	
SDSS119128	119-128	265	259	54	75	2 x M10	1 x M10	744	

SABRE Plastic Cable Cleat



Dimensions Ø							
sabre Part No.	Cable Ø Range Take (mm)	W	H	D	E	Fixing Hole Ø	Weight (g) *LUL + 5%
1BC1013	0ct-13	41	34	46	13	1 x M10	23
1BC1316	13 - 16	44	37	46	13	1 x M10	26
1BC1619	16 - 19	47	40	46	13	1 x M10	30
1BC1923	19 - 23	51	44	46	13	1 x M10	34
1BC2327	23 - 27	54	48	46	13	1 x M10	38
1BC2732	27 - 32	61	56	46	13	1 x M10	47
1BC3238	32 - 38	67	62	46	13	1 x M10	53
1BC3846	38 - 46	75	73	46	13	1 x M10	68
1BC4651	46 - 51	81	77	46	13	1 x M10	79
1BC5157	51 - 57	86	83	46	13	1 x M10	88

SAPPHIRE Heavy Duty Stainless Steel Hinged Cable Cleat

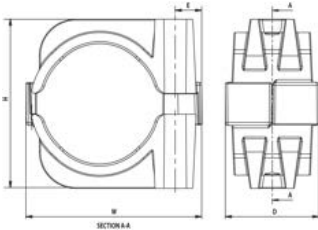


CABLE CLEAT SELECTION TABLE		Dimensions				Fixing Hole Ø		
PART NO	Cable Ø Range Take (mm)	W	H	D	P	D1	D2	Weight (g)
SHDSS019026	19-26	94	85	54	25	2 x M10	1 x M12	395
SHDSS026032	26-32	95	88	54	25	2 x M10	1 x M12	402
SHDSS032038	32-38	96	93	54	25	2 x M10	1 x M12	431
SHDSS038046	38-46	100	100	54	25	2 x M10	1 x M12	446
SHDSS046051	46-51	104	103	54	25	2 x M10	1 x M12	456
SHDSS051058	51-58	108	107	54	25	2 x M10	1 x M12	472
SHDSS058070	58-70	129	119	54	50	2 x M10	1 x M12	554
SHDSS070083	70-83	137	120	54	50	2 x M10	1 x M12	581
SHDSS083097	83-97	157	137	54	75	2 x M10	1 x M12	665
SHDSS096109	96-109	165	133	54	75	2 x M10	1 x M12	688
SHDSS106120	106-120	170	142	54	75	2 x M10	1 x M12	713
SHDSS120135	120-135	197	157	54	75	2 x M10	1 x M12	814
SHDSS135150	135-150	205	172	54	75	2 x M10	x M12	847



SOLACE

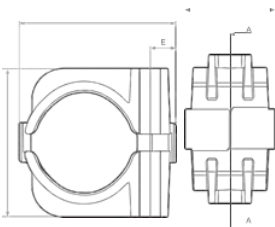
Heavy Duty, 1 Bolt, Fire Performance Cable Cleat



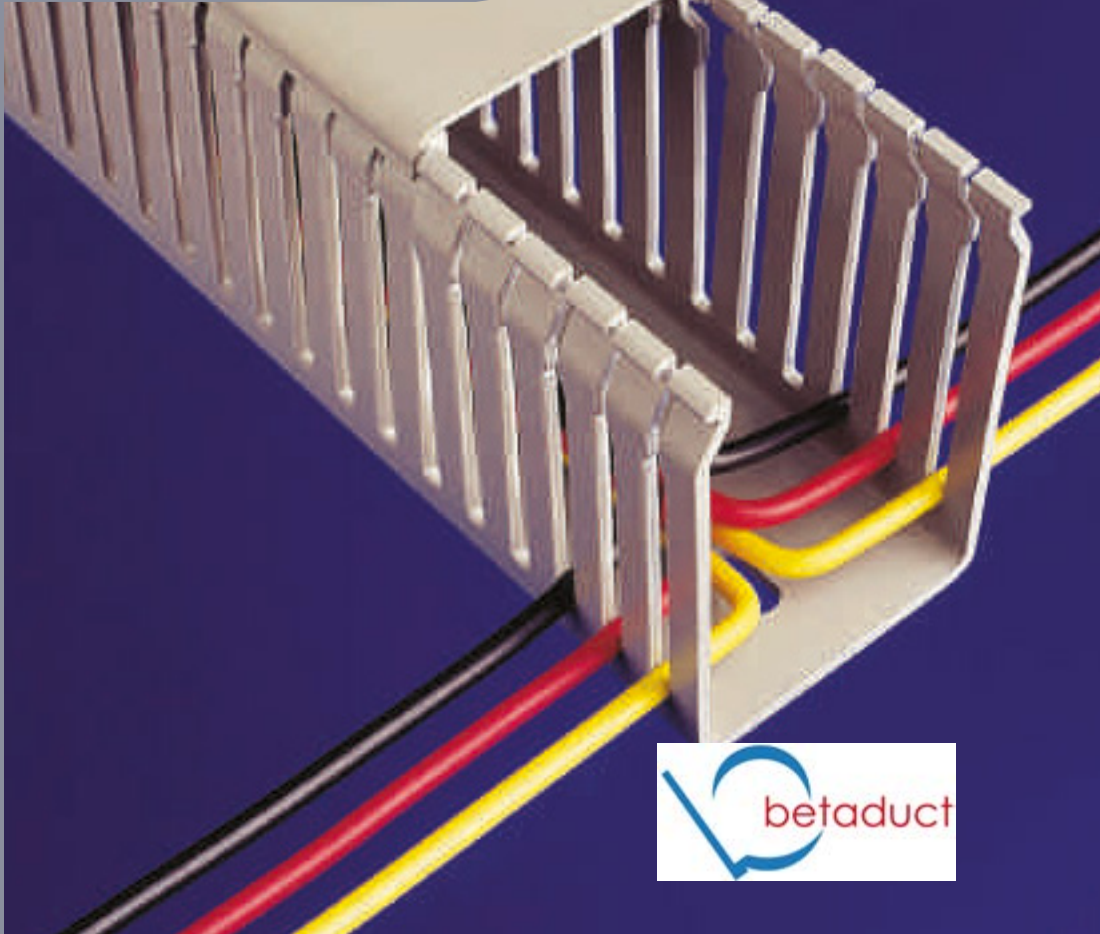
Solace Part No	Cable Ø Range Take (mm)	Dimensions				Fixing Hole Ø	Weight (g)
		W	H	D	E		
1BC1013HT	Oct-13	41	34	46	13	1 x M10	164
1BC1316HT	13-16	44	37	46	13	1 x M10	185
1BC1619HT	16-19	47	40	46	13	1 x M10	215
1BC1923HT	19-23	51	44	46	13	1 x M10	237
1BC2327HT	23-27	55	48	46	13	1 x M10	277
1BC2732HT	27-32	61	56	46	13	1 x M10	341
1BC3238HT	32-38	67	62	46	13	1 x M10	387
1BC3845HT	38-45	75	73	46	13	1 x M10	486
1BC4551HT	45-51	81	76	46	13	1 x M10	541
1BC5158HT	51-58	86	83	46	13	1 x M10	617
1BC5865HT	58-65	94	90	46	13	1 x M10	697
1BC6571HT	65-71	101	97	46	13	1 x M10	763

VALIANT

Heavy Duty Aluminium Cable Cleat



CABLE CLEAT SELECTION TABLE		Dimensions				Fixing Hole Ø	Weight (g)
Valiant Part No.	Cable Ø Range Take (mm)	W	H	D	E		
1BC1013A	Oct-13	41	34	46	13	1 x M10	57
1BC1316A	13 - 16	44	37	46	13	1 x M10	66
1BC1619A	16 - 19	47	40	46	13	1 x M10	74
1BC1923A	19 - 23	51	44	46	13	1 x M10	83
1BC2327A	23 - 27	55	48	46	13	1 x M10	93
1BC2732A	27 - 32	61	56	46	13	1 x M10	114
1BC3238A	32 - 38	67	62	46	13	1 x M10	130
1BC3845A	38 - 45	75	73	46	13	1 x M10	162
1BC4551A	45 - 51	81	76	46	13	1 x M10	181
1BC5158A	51 - 58	86	83	46	13	1 x M10	199
1BC5865A	58 - 65	94	90	46	13	1 x M10	222
1BC6571A	65 - 71	101	97	46	13	1 x M10	240



INTRODUCTION TO BETADUCT

Betaduct PVC trunking

PVC open slot trunking
PVC closed slot trunking
PVC narrow slot trunking
PVC solid wall trunking
PVC open and closed slot mini packs
PVC open slot duo packs
PVC spare lids
PVC flexi-duct

Betaduct halogen-free trunking
HFN narrow slot trunking

Noryl open slot trunking
Noryl closed slot trunking
Noryl narrow slot trunking
Noryl spare lids

Betaduct Noryl Extra halogen-free trunking

Noryl Extra open slot trunking 624
Noryl Extra closed slot trunking 625
Noryl Extra solid wall trunking

Noryl Extra spare lids

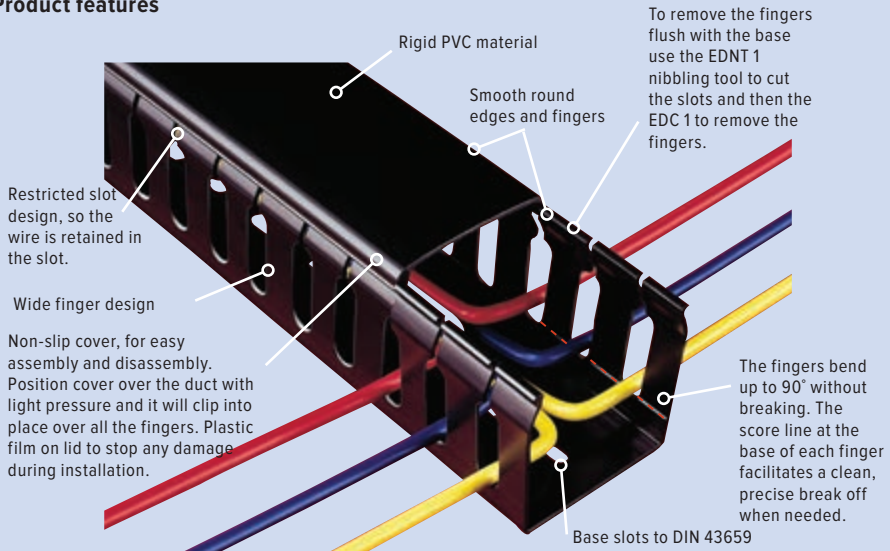


BETADUCT PVC OPEN SLOT TRUNKING

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications. Available in 23 sizes.

Recommended fixing method – Betaduct rivets or washers. Supplied with lid.

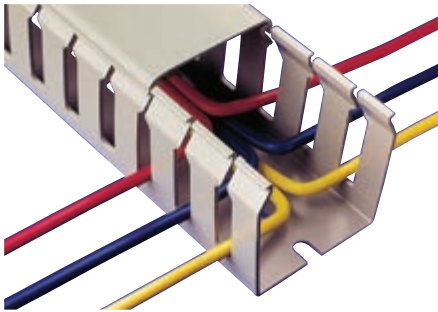
Product features



Feature	Benefit
Rigid PVC material	Self-extinguishing PVC.
Wide finger design	To give additional cable support. The wide fingers can be used with a range of wire and bundle sizes.
Restricted slot design	Saves time during installation, once wires are installed they will remain in the slot with or without cover.
Non-slip cover	Once installed lid will not slip. Easy clip-on assembly and disassembly. Plastic film on lid to stop any damage during installation. On 75mm lids and above; non-slip adhesive to ensure lid retention.
Base slots to DIN 43659	Staggered mounting holes, conforms to DIN standard.
Score line at base of each slot	Fingers bend up to 90° without breaking. The score line facilitates a clean, precise break off when needed.
Smooth round edges	Free from burrs or sharp edges that could lead to abrasions on hands and cables.
Associated cutting tools - EDNT 1, EDC 1	For clean, precise cutting of trunking fingers.

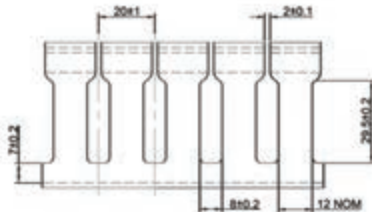
BETADUCT PVC OPEN SLOT - GREY

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Available in 23 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm, Slot width 8mm, Webs 12mm
 Colour Grey RAL 7030
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178



Grey open slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
10450018	19 x 50	25 x 53	24
10450022	25 x 37.5	29 x 41	24
10450023	25 x 50	29 x 54	24
10450024	25 x 75	29 x 79	16
10450025	25 x 100	30 x 105	16
10450032	37.5 x 37.5	41 x 41	24
10450033	37.5 x 50	41 x 54	16
10450034	37.5 x 75	39 x 79	16
10450035	37.5 x 100	43 x 105	16
10450051	50 x 25	54 x 28	24
10450052	50 x 37.5	54 x 41	16
10450053	50 x 50	54 x 54	16
10450054	50 x 75	55 x 79	16
10450055	50 x 100	56 x 105	8
10450072	75 x 37.5	80 x 41	16
10450073	75 x 50	78 x 54	16
10450074	75 x 75	80 x 80	16
10450075	75 x 100	80 x 105	8
10450103	100 x 50	107 x 54	8
10450104	100 x 75	107 x 80	8
10450105	100 x 100	107 x 104	8
10450106	100 x 125	107 x 130	8
10450124	125 x 75	131 x 78	8

BETADUCT TOOLING



EDNT 1 Nibbling tool EDC 1 Cutting tool

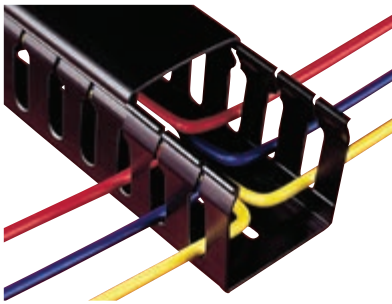




BETADUCT PVC OPEN SLOT - BLACK

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 23 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.

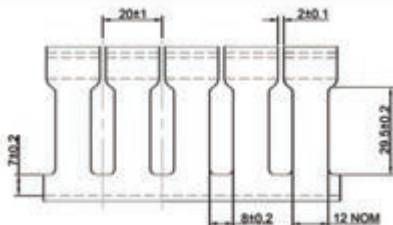


SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm
 Slot width 8mm
 Webs 12mm
 Colour Black RAL 9005
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

Black open slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
09800000	19 x 50	25 x 53	24
09810000	25 x 37.5	29 x 41	24
09130000	25 x 50	29 x 54	24
09140000	25 x 75	29 x 79	16
09830000	25 x 100	30 x 105	16
09840000	37.5 x 37.5	41 x 41	24
09850000	37.5 x 50	41 x 54	16
09860000	37.5 x 75	39 x 79	16
09870000	37.5 x 100	43 x 105	16
09880000	50 x 25	54 x 28	24
09890000	50 x 37.5	54 x 41	16
09160000	50 x 50	54 x 54	16
09170000	50 x 75	55 x 79	16
09920000	50 x 100	56 x 105	8
09930000	75 x 37.5	80 x 41	16
09940000	75 x 50	78 x 54	16
09190000	75 x 75	80 x 80	16
09960000	75 x 100	80 x 105	8
09980000	100 x 50	107 x 54	8
09990000	100 x 75	107 x 80	8
10000000	100 x 100	107 x 104	8
10010000	100 x 125	107 x 130	8
09410000	125 x 75	131 x 78	8





BETADUCT PVC OPEN SLOT - BLUE

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Suitable for I.S. circuits.

Available in 13 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



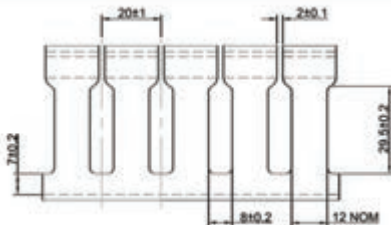
Blue open slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
09136000	25 x 50	29 x 54	24
09146000	25 x 75	29 x 79	16
09836000	25 x 100	30 x 105	16
09856000	37.5 x 50	41 x 54	16
09866000	37.5 x 75	39 x 79	16
09876000	37.5 x 100	43 x 105	16
09166000	50 x 50	54 x 54	16
09176000	50 x 75	55 x 79	16
09926000	50 x 100	56 x 105	8
09196000	75 x 75	80 x 80	16
09966000	75 x 100	80 x 105	8
09996000	100 x 75	107 x 80	8
10006000	100 x 100	107 x 104	8



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm
 Slot width 8mm
 Webs 12mm
 Colour Blue RAL 5015
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178



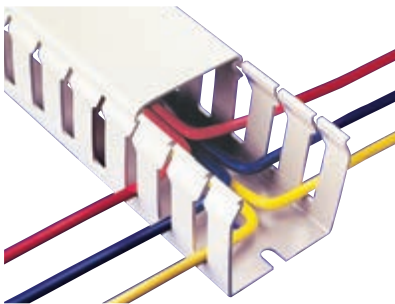
WORLDWIDE DELIVERY



BETADUCT PVC OPEN SLOT - WHITE

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

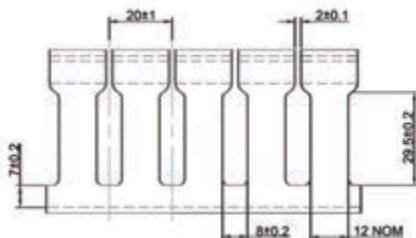
Available in 23 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm
 Slot width 8mm
 Webs 12mm
 Colour White
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

White open slot trunking			
Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
23610110	19 x 50	25 x 53	24
23610400	25 x 37.5	29 x 41	24
23610500	25 x 50	29 x 54	24
23610600	25 x 75	29 x 79	16
23610700	25 x 100	30 x 105	16
23610900	37.5 x 37.5	41 x 41	24
23611000	37.5 x 50	41 x 54	16
23611100	37.5 x 75	39 x 79	16
23611200	37.5 x 100	43 x 105	16
23611300	50 x 25	54 x 28	24
23611400	50 x 37.5	54 x 41	16
23611500	50 x 50	54 x 54	16
23611600	50 x 75	55 x 79	16
23611700	50 x 100	56 x 105	8
23611800	75 x 37.5	80 x 41	16
23611900	75 x 50	78 x 54	16
23612000	75 x 75	80 x 80	16
23612100	75 x 100	80 x 105	8
23612400	100 x 50	107 x 54	8
23612500	100 x 75	107 x 80	8
23612600	100 x 100	107 x 104	8
23612900	125 x 75	131 x 78	8
23613000	100 x 125	107 x 130	8

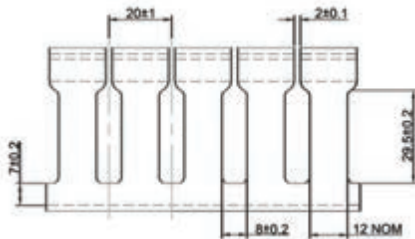
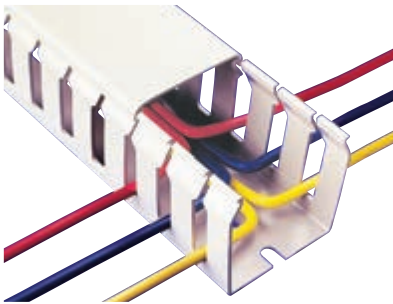




BETADUCT PVC OPEN SLOT - WHITE

Betaduct PVC open slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 23 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



White open slot trunking

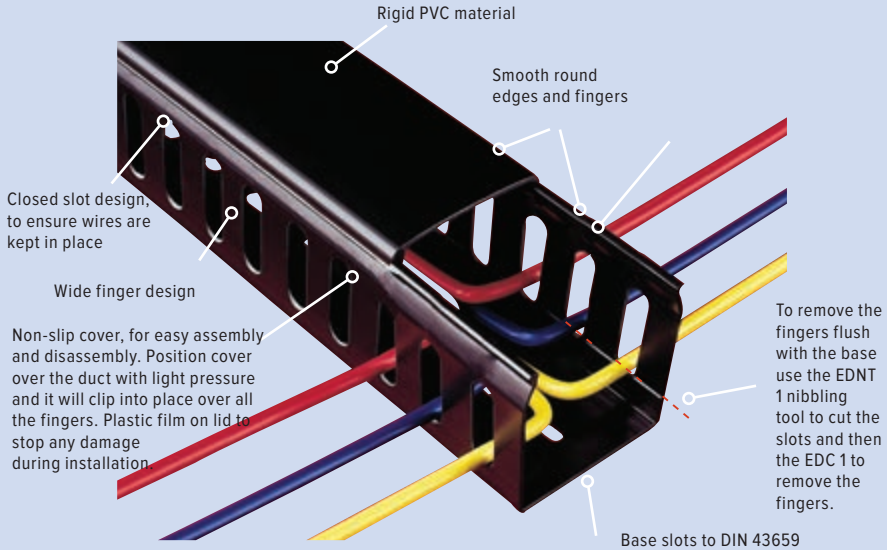
Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
23610110	19 x 50	25 x 53	24
23610400	25 x 37.5	29 x 41	24
23610500	25 x 50	29 x 54	24
23610600	25 x 75	29 x 79	16
23610700	25 x 100	30 x 105	16
23610900	37.5 x 37.5	41 x 41	24
23611000	37.5 x 50	41 x 54	16
23611100	37.5 x 75	39 x 79	16
23611200	37.5 x 100	43 x 105	16
23611300	50 x 25	54 x 28	24
23611400	50 x 37.5	54 x 41	16
23611500	50 x 50	54 x 54	16
23611600	50 x 75	55 x 79	16
23611700	50 x 100	56 x 105	8
23611800	75 x 37.5	80 x 41	16
23611900	75 x 50	78 x 54	16
23612000	75 x 75	80 x 80	16
23612100	75 x 100	80 x 105	8
23612400	100 x 50	107 x 54	8
23612500	100 x 75	107 x 80	8
23612600	100 x 100	107 x 104	8
23612900	125 x 75	131 x 78	8
23613000	100 x 125	107 x 130	8



BETADUCT PVC CLOSED SLOT TRUNKING

Betaduct PVC closed slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications. Available in a range of sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.

Product features



Feature	Benefit
Rigid PVC material	Self-extinguishing PVC.
Wide finger design	To give additional cable support. The wide fingers can be used with a range of wire and bundle sizes.
Closed slot design	Saves time during installation, once wires are installed they will remain in the slot with or without cover.
Non-slip cover	Once installed lid will not slip. Easy clip-on assembly and disassembly. Plastic film on lid to prevent damage during installation.
Base slots to DIN 43659	Staggered mounting holes, conforms to DIN standard.
Score line at base of each slot	Fingers bend up to 90° without breaking. The score line facilitates a clean, precise break off when needed.
Smooth round edges	Free from burrs or sharp edges that could lead to abrasions on hands and cables.
Associated cutting tools - EDNT 1, EDC 1	For clean, precise cutting of trunking fingers.

BETADUCT PVC CLOSED SLOT TRUNKING - GREY

Betaduct PVC closed slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics.

Wide fingers give additional cable support and terminated wires can be re-routed easily.

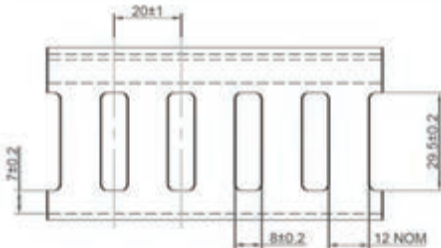
Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 25 sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm, Slot width 8mm, Webs 12mm
 Colour Grey RAL 7030
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178



Grey closed slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
10460011	15 x 15	17 x 17	48
10460018	19 x 50	25 x 53	24
10460021	25 x 20	29 x 23	24
10460022	25 x 37.5	29 x 41	24
10460023	25 x 50	29 x 54	24
10460024	25 x 75	29 x 79	16
10460025	25 x 100	30 x 105	16
10460032	37.5 x 37.5	41 x 41	24
10460033	37.5 x 50	41 x 54	16
10460034	37.5 x 75	39 x 79	16
10460035	37.5 x 100	43 x 105	16
10460051	50 x 25	54 x 28	24
10460052	50 x 37.5	54 x 41	16
10460053	50 x 50	54 x 54	16
10460054	50 x 75	55 x 79	16
10460055	50 x 100	56 x 105	8
10460072	75 x 37.5	80 x 41	16
10460073	75 x 50	78 x 54	16
10460074	75 x 75	80 x 80	16
10460075	75 x 100	80 x 105	8
10460103	100 x 50	107 x 54	8
10460104	100 x 75	107 x 80	8
10460105	100 x 100	107 x 104	8
10460106	100 x 125	107 x 130	8
10460124	125 x 75	131 x 78	8

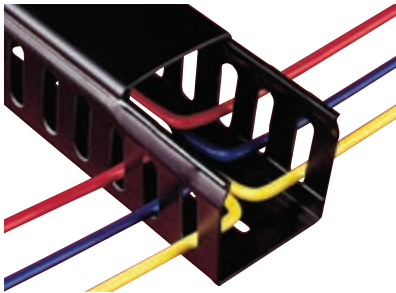




BETADUCT PVC CLOSED SLOT TRUNKING - BLACK

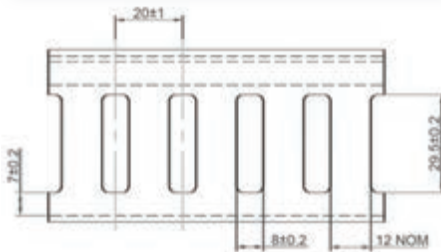
Betaduct PVC closed slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 24 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm Slot width 8mm Webs 12mm
 Colour Black RAL 9005
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178



Black closed slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
09000000	15 x 15	17 x 17	48
09500000	19 x 50	25 x 53	24
09010000	25 x 20	29 x 23	24
09510000	25 x 37.5	29 x 41	24
09030000	25 x 50	29 x 54	24
09040000	25 x 75	29 x 79	16
09530000	25 x 100	30 x 105	16
09540000	37.5 x 37.5	41 x 41	24
09550000	37.5 x 50	41 x 54	16
09560000	37.5 x 75	39 x 79	16
09570000	37.5 x 100	43 x 105	16
09380000	50 x 25	54 x 28	24
09590000	50 x 37.5	54 x 41	16
09060000	50 x 50	54 x 54	16
09070000	50 x 75	55 x 79	16
09620000	50 x 100	56 x 105	8
09640000	75 x 50	78 x 54	16
09090000	75 x 75	80 x 80	16
09660000	75 x 100	80 x 105	8
09680000	100 x 50	107 x 54	8
09690000	100 x 75	107 x 80	8
09700000	100 x 100	107 x 104	8
09710000	100 x 125	107 x 130	8
09400000	125 x 75	131 x 78	8





BETADUCT PVC CLOSED SLOT TRUNKING - WHITE

Betaduct PVC closed slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics.

Wide fingers give additional cable support and terminated wires can be re-routed easily. Ideal for use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

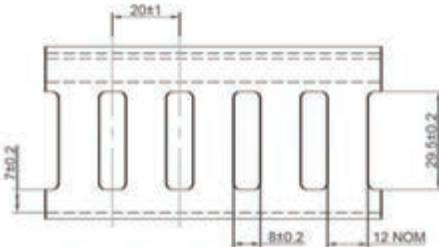
Available in 23 sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 20mm
 Slot width 8mm
 Webs 12mm
 Colour White
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

White closed slot trunking			
Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
23600100	15 x 15	17 x 17	48
23600110	19 x 50	25 x 53	24
23600200	25 x 20	29 x 23	24
23600400	25 x 37.5	29 x 41	24
23600500	25 x 50	29 x 54	24
23600600	25 x 75	29 x 79	16
23600700	25 x 100	30 x 105	16
23600900	37.5 x 37.5	41 x 41	24
23601000	37.5 x 50	41 x 54	16
23601100	37.5 x 75	39 x 79	16
23601300	50 x 25	54 x 28	24
23601400	50 x 37.5	54 x 41	16
23601500	50 x 50	54 x 54	16
23601600	50 x 75	55 x 79	16
23601700	50 x 100	56 x 105	8
23601800	75 x 37.5	80 x 41	16
23601900	75 x 50	78 x 54	16
23602000	75 x 75	80 x 80	16
23602100	75 x 100	80 x 105	8
23602400	100 x 50	107 x 54	8
23602500	100 x 75	107 x 80	8
23602600	100 x 100	107 x 104	8
23602900	125 x 75	131 x 78	8



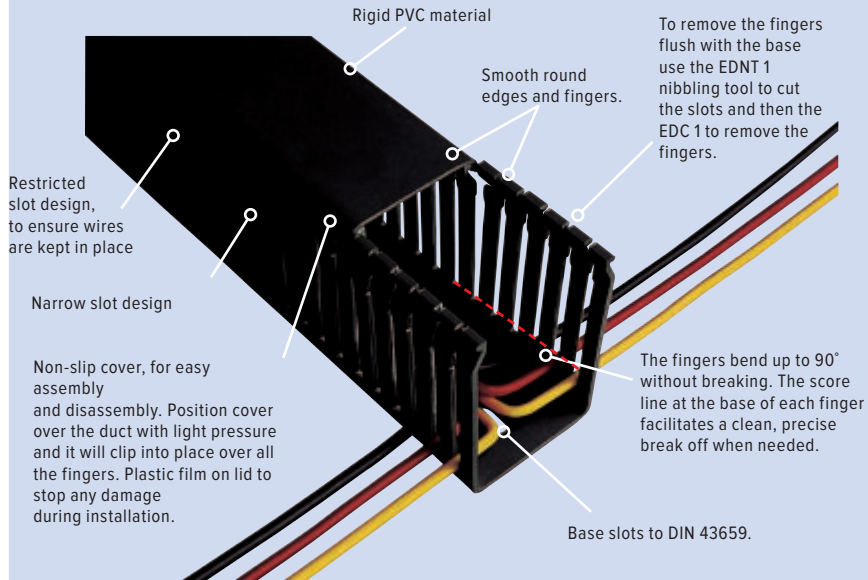


BETADUCT PVC NARROW SLOT TRUNKING

Betaduct PVC narrow slot provides lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Restricted slot design ensures wire is retained in the slot. Ideal for use with slimmer terminal blocks where more access is required, it improves appearance of panels with cables out in best position.

Recommended fixing method; Betaduct rivets or washers. Supplied with lid.

Product features



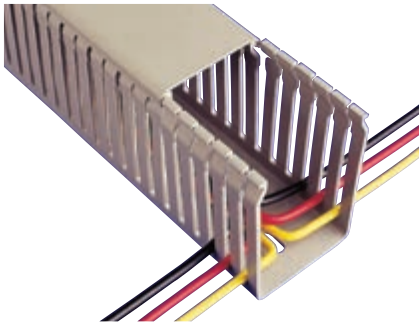
Feature	Benefit
Rigid PVC material	Self-extinguishing PVC.
Restricted slot design	Saves time during installation, once wires are installed they will remain in the slot with or without cover.
Narrow slot design	Provides closer spacing for use with high density applications.
Non-slip cover	Once installed lid will not slip. Easy clip-on assembly and disassembly. Plastic film on lid to stop any damage during installation.
Base slots to DIN 43659	Staggered mounting holes, conforms to DIN standard.
Score line at base of each slot	Fingers bend up to 90° without breaking. The score line facilitates a clean, precise break off when needed.
Smooth round edges	Free from burrs or sharp edges that could lead to abrasions on hands and cables.
Associated cutting tools - EDNT 1, EDC 1	For clean, precise cutting of trunking fingers.



BETADUCT PVC NARROW SLOT TRUNKING - GREY

Betaduct PVC narrow slot provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Ideal for use with slimmer terminal blocks where more access is required. For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 20 sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.

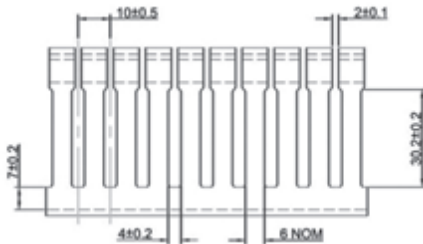


SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 10mm Slot width 4mm Webs 6mm
 Colour Grey RAL 7030
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

Grey narrow slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
10470018	19 x 50	25 x 53	24
10470022	25 x 37,5	29 x 41	24
10470023	25 x 50	29 x 54	24
10470024	25 x 75	29 x 79	16
10470025	25 x 100	30 x 105	16
10470032	37,5 x 37,5	41 x 41	24
10470033	37,5 x 50	41 x 54	16
10470034	37,5 x 75	41 x 79	16
10470035	37,5 x 100	43 x 105	16
10470052	50 x 37,5	54 x 41	16
10470053	50 x 50	54 x 54	16
10470054	50 x 75	55 x 79	16
10470055	50 x 100	56 x 105	8
10470072	75 x 37,5	80 x 41	16
10470073	75 x 50	78 x 54	16
10470074	75 x 75	80 x 80	16
10470075	75 x 100	80 x 105	8
10470103	100 x 50	107 x 54	8
10470104	100 x 75	107 x 80	8
10470105	100 x 100	107 x 104	8

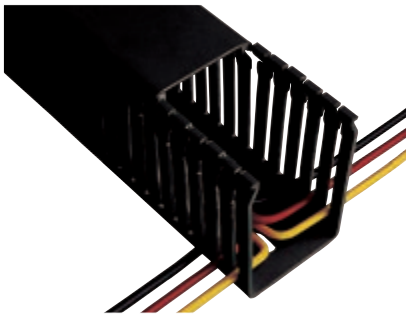




BETADUCT PVC NARROW SLOT TRUNKING - BLACK

Betaduct PVC narrow slot provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Ideal for use with slimmer terminal blocks where more access is required. For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

Available in 20 sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.

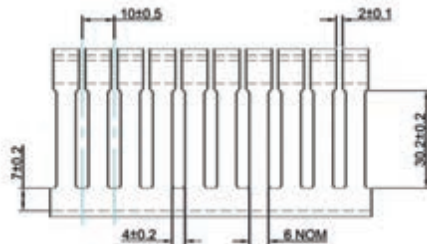


SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 10mm Slot width 4mm Webs 6mm
 Colour Black RAL 9005
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

Black narrow slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
10490018	19 x 50	25 x 53	24
10490022	25 x 37.5	29 x 41	24
10490023	25 x 50	29 x 54	24
10490024	25 x 75	29 x 79	16
10490025	25 x 100	30 x 105	16
10490032	37.5 x 37.5	41 x 41	24
10490033	37.5 x 50	41 x 54	16
10490034	37.5 x 75	39 x 79	16
10490035	37.5 x 100	43 x 105	16
10490052	50 x 37.5	54 x 41	16
10490053	50 x 50	54 x 54	16
10490054	50 x 75	55 x 79	16
10490055	50 x 100	56 x 105	16
10490072	75 x 37.5	80 x 41	16
10490073	75 x 50	78 x 54	16
10490074	75 x 75	80 x 80	16
10490075	75 x 100	80 x 105	8
10490103	100 x 50	107 x 54	8
10490104	100 x 75	107 x 80	8
10490105	100 x 100	107 x 104	8



BETADUCT PVC NARROW SLOT METRIC TRUNKING - BLUE

Betaduct PVC narrow slot provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications, also suitable for I.S circuits.

Available in 16 sizes. Recommended fixing method; Betaduct rivets or washers. Supplied with lid.

SPECIFICATIONS

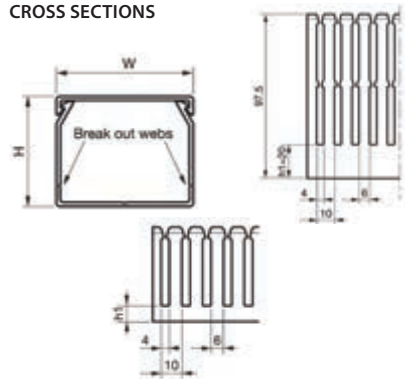
Material Self-extinguishing PVC
 Slot pitch 10mm Slot width 4mm Webs 6mm
 Colour Blue RAL 5015
 Service temperature rating -5°C to +65°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

Blue narrow slot trunking

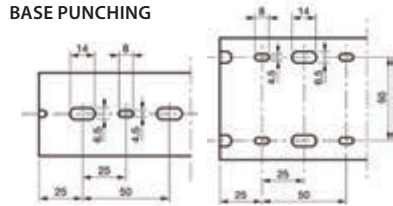
Part number	Nominal size outer (WxH) mm	Pack qty (m)
104760024	20 x 42	48
104760032	30 x 23	48
104760034	30 x 42	48
104760036	30 x 60	48
104760038	30 x 80	24
104760044	43 x 42	24
104760046	43 x 60	24
104760048	43 x 80	24
104760064	60 x 42	24
104760066	60 x 60	24
104760068	60 x 80	24
104760610	60 x 100	24
104760086	80 x 60	24
104760088	80 x 80	24
1047601010	100 x 100	12
104760126	120 x 60	12



CROSS SECTIONS



BASE PUNCHING



Spare lids

Part number	Width (mm)	Pack qty (m)
104760001	20	48
104760002	30	24
104760003	40	24
104760004	60	24
104760005	80	24
104760006	100	12
104760007	120	12



BETADUCT PVC NARROW SLOT TRUNKING - WHITE

Betaduct PVC narrow slot provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Ideal for use with slimmer terminal blocks where more access is required, it improves appearance of panels with cables out in the best position. For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

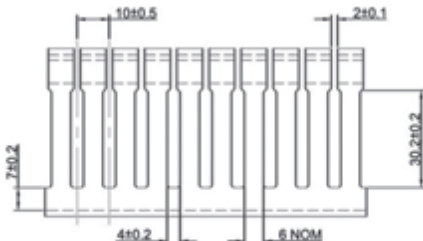
Available in 20 sizes. Recommended fixing method – Betaduct rivets or washers. Supplied with lid.



SPECIFICATIONS

Material Self-extinguishing PVC
 Slot pitch 10mm Slot width 4mm Webs 6mm
 Colour White
 Service temperature rating -15°C to +60°C
 Flammability UL94 V-0 Rated material
 Standards Base slots to DIN 43659.
 RoHS 2 and UL approved: UL E161178

White narrow slot trunking			
Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack qty (m)
23630110	19 x 50	25 x 53	24
23630400	25 x 37.5	29 x 41	24
23630500	25 x 50	29 x 54	24
23630600	25 x 75	29 x 79	16
23630700	25 x 100	30 x 105	16
23630900	37.5 x 37.5	41 x 41	24
23631000	37.5 x 50	41 x 54	16
23631100	37.5 x 75	39 x 79	16
23631200	37.5 x 100	43 x 105	16
23631400	50 x 37.5	54 x 41	16
23631500	50 x 50	54 x 54	16
23631600	50 x 75	55 x 79	16
23631700	50 x 100	56 x 105	8
23631800	75 x 37.5	80 x 41	16
23631900	75 x 50	78 x 54	16
23632000	75 x 75	80 x 80	16
23632100	75 x 100	80 x 105	8
23632400	100 x 50	107 x 54	8
23632500	100 x 75	107 x 80	8
23632600	100 x 100	107 x 104	8



BETADUCT PVC TRUNKING - MINI PACKS

BETADUCT PVC OPEN AND CLOSED SLOT MINI PACKS

Betaduct PVC provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics.

Supplied with lid, in handy mini packs containing 4 x 1 metre lengths. Ideal for smaller installations.

SPECIFICATIONS

Material Self-extinguishing PVC

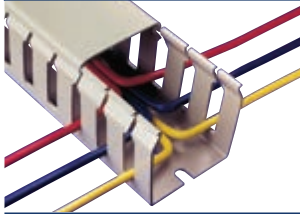
Colour Grey RAL 7030, Black RAL 9005

Service temperature rating -15°C to +60°C

Flammability UL94 V-0 Rated material

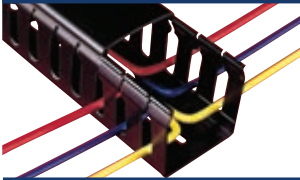
Standards Base slots to DIN 43659. RoHS 2 and UL approved: UL E161178

Open slot mini packs Grey



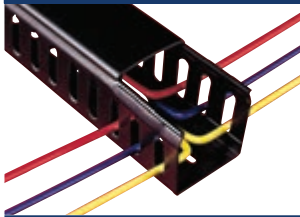
Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack quantity (m)
10452022	25 x 37.5	29 x 41	4 x 1m lengths
10452023	25 x 50	29 x 54	4 x 1m lengths
10452051	50 x 25	54 x 28	4 x 1m lengths
10452053	50 x 50	54 x 54	4 x 1m lengths

Open slot mini packs Black



Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack quantity (m)
08862000	25 x 37.5	29 x 41	4 x 1m lengths
08872000	25 x 50	29 x 54	4 x 1m lengths
08882000	50 x 50	54 x 54	4 x 1m lengths

Closed slot mini packs Black



Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack quantity (m)
08702000	15 x 15	17 x 17	4 x 1m lengths
08712000	25 x 20	29 x 23	4 x 1m lengths
08722000	25 x 50	29 x 54	4 x 1m lengths
08732000	50 x 50	54 x 54	4 x 1m lengths

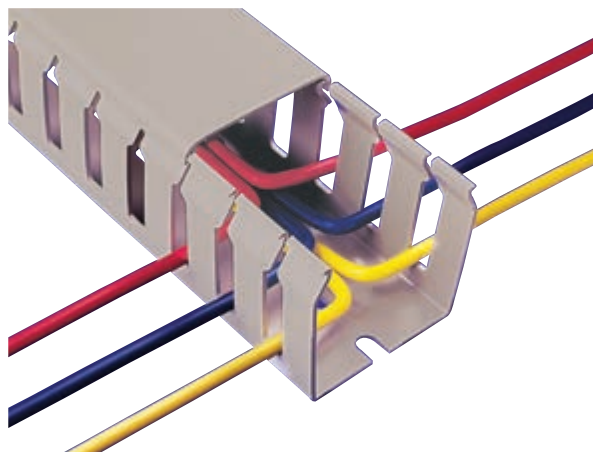




BETADUCT PVC OPEN SLOT DUO PACKS - GREY

Betaduct PVC open slot provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Supplied in handy duo packs, containing 2 x 2 metre lengths.

Supplied with lid.
Recommended fixing method;
rivets and washers.



SPECIFICATIONS

Material

Self-extinguishing PVC

Colour options

Grey RAL 7030

Service temperature rating

-15°C to +60°C

Flammability

UL94 V-0 Rated material

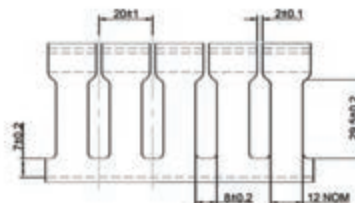
Standards

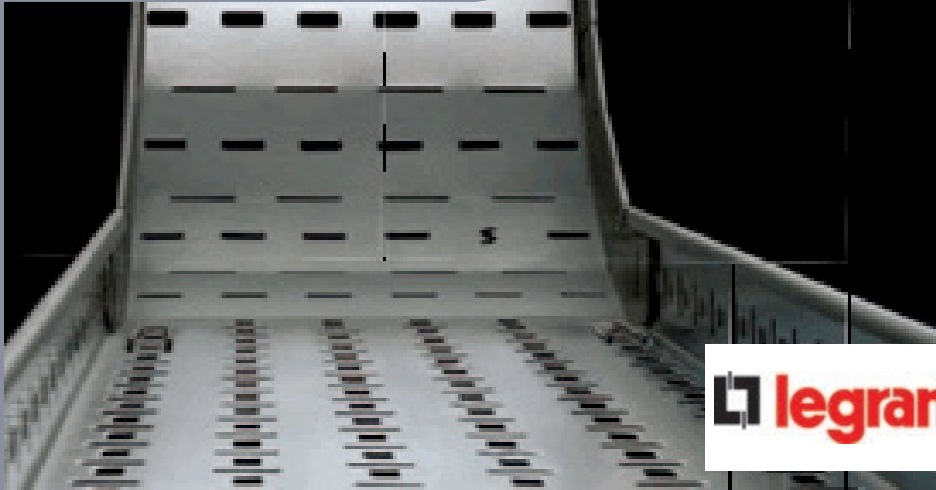
Base slots to DIN 43659.

CE, RoHS 2, UL E161178.

Grey open slot trunking

Part number	Nominal size inner (WxH) mm	Nominal size outer (WxH) mm	Pack quantity (m)
30450023	25 x 50	29 x 54	2 x 2m
30450024	25 x 75	29 x 79	2 x 2m
30450053	50 x 50	54 x 54	2 x 2m
30450054	50 x 75	55 x 79	2 x 2m
30450074	75 x 75	80 x 80	2 x 2m
30450104	100 x 75	107 x 80	2 x 2m
30450124	125 x 75	131 x 78	2 x 2m





LEGRAND cable management

Complete cable management solutions

CABLOFIL STEEL

WIRE cable tray management solutions, including:

- Swifts cable ladder
- Swifts cable tray
- Salamandre distribution trunking and lighting trunking
- Cablofil steel wire cable tray
- Floor systems
- Perimeter systems

SPECIFICATION DATA FOR ENGINEERING SOFTWARE SYSTEMS

As part of its ongoing commitment to customer grand's cable management ranges have been integrated into a number of plant design modelling systems.

Find out more about Legrand's 3D modelling capabilities at: www.legrand3d.co.uk

SWIFTS CABLE TRAY...QUALITY ASSURED UK MANUFACTURING

Swifts cable tray and ladder ranges have been designed and manufactured in Scarborough (UK) since the 1960's. Our inhouse galvanising facility and strict quality control guidelines ensure that every product is finished to the highest possible standard. Legrand Electric holds ISO 9001 : 2008 Quality Assessment Registrations from Bureau Veritas.

All of Legrand's UK manufacturing sites are accredited to ISO 14001 : 2004 Environmental Management System.

SUPPORT FROM DESIGN TO INSTALLATION

With in-depth knowledge and experience, our expert cable management team provides customers with support and advice for any installation... including bespoke solutions (specials) from our in-house design team that can cope with the most demanding requirements for the most challenging projects.





SWIFT Cable trays

Widths (mm)	TRAY		COUPLERS		FITTINGS							
	Straight lengths (3mm F = finish)	Coupler sets	Universal bracket F= FINISH	90° Flat bends1 F=finish	Adjustable bends F=finish	90° inside risers1 F=finish	90° outside risers1 F=finish	Adjustable risers2 F=finish	Equal tees F=finish	Unequal tees B=branch F=finish	4 way crosspieces F=finish	Straight reducers K=reduced width F=finish
50	MRFL 50 F	MRFC50 F	MRFUB F	MRFB 50 F	MRFAB 50 F	MRFIR 50 F	MRFOR 50 F	MRFAR 50 F	MRFT 50 F	MRFUT 50 B F	MRFX 50 F	-
75	MRFL 75 F	MRFC F	MRFUB F	MRFB 75 F	MRFAB 75 F	MRFIR 75 F	MRFOR 75 F	MRFAR 75 F	MRFT 75 F	MRFUT 75 B F	MRFX 75 F	MRFR 75 K F
100	MRFL 100 F	MRFC F	MRFUB F	MRFB 100 F	MRFAB 100 F	MRFIR 100 F	MRFOR 100 F	MRFAR 100 F	MRFT 100 F	MRFUT 100 B F	MRFX 100 F	MRFR 100 K F
150	MRFL 150 F	MRFC F	MRFUB F	MRFB 150 F	MRFAB 150 F	MRFIR 150 F	MRFOR 150 F	MRFAR 150 F	MRFT 150 F	MRFUT 150 B F	MRFX 150 F	MRFR 150 K F
225	MRFL 225 F	MRFC F	MRFUB F	MRFB 225 F	MRFAB 225 F	MRFIR 225 F	MRFOR 225 F	MRFAR 225 F	MRFT225 F	MRFUT 225 B F	MRFX 225 F	MRFR 225 K F
300	MRFL 300 F	MRFC F	MRFUB F	MRFB 300 F	MRFAB 300 F	MRFIR 300 F	MRFOR 300 F	MRFAR 300 F	MRFT 300 F	MRFUT 300 B F	MRFX 300 F	MRFR 300 K F
450	MRFL 450 F	MRFC F	MRFUB F	MRFB 450 F	-	MRFIR 450 F	MRFOR 450 F	MRFAR 450 F	MRFT 450 F	MRFUT 450 B F	MRFX 450 F	MRFR 450 K F
600	MRFL 600 F	MRFC F	MRFUB F	MRFB 600 F	-	MRFIR 600 F	MRFOR 600 F	MRFAR 600 F	MRFT 600 F	MRFUT 600 B F	MRFX 600 F	MRFR 600 K F
750	MRFL 750 F	MRFC F	MRFUB F	MRFB 750 F	-	MRFIR 750 F	MRFOR 750 F	MRFAR 750 F	MRFT 750	MRFUT 750 B F	MRFX 750 F	MRFR 750 K F
900	MRFL 900 F	MRFC F	MRFUB F	MRFB 900 F	-	MRFIR 900 F	MRFOR 900 F	MRFAR 900 F	MRFT 900 F	MRFUT 900 B F	MRFX 900 F	MRFR 900 K F

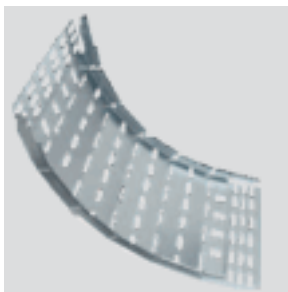
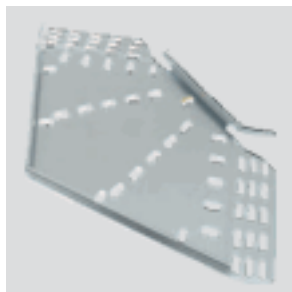
Key : selecting MRF medium duty fittings

Replace the letters shown in red with your choice from the following options :

A = Angle (°) : 60, 45 and 30 (90 standard and does not need to be included in order code)

Branch width (mm) : 50, 75, 100, 150, 225, 300, 450, 600, 750 = **Finish**: **G** (hot dip galvanised after manufacture),

Narrowed width when using a reducer (mm) : 50, 75, 100, 150, 225, 300, 450, 600, 750





Mini-trunking

Mini trunking is an economical feeder trunking system with easy accessibility for wiring and re-wiring.

PRODUCT INFORMATION

- A variety of sizes from 10 x 8mm to 38 x 38mm
- Single or divided compartment options
- Self-fixing systems and punched systems available
- Punched holes compatible with Firefly fire safety clips*



MMT0
code size
MMT0WH 16 x 10mm



MMT1
code size
MMT1WH 16 x 16mm



MMT2
code size
MMT2WH 25 x 16mm
Red and brown available as
standard colours



MMT3
code size
MMT3WH 38 x 16mm



MMT3C - 2 compartment
code size
MMT3CWH 38 x 16mm



MMT4
code size
MMT4WH 38 x 25mm
Brown available as standard
colour



MMT4C - 2 compartment code
code size
MMT4CWH 38 x 25mm
Red and brown available as
standard colours



MMT5
code size
MMT5WH 50 x 25mm



MMT6
code size
MMT6WH 38 x 38mm



MMT00SF
code size
MMT00SFWH 10 x 8mm
Brown available as standard colour



MMT05SF
code size
MMT05SFWH 16 x 10mm



MMT15SF
code size
MMT15SFWH 16 x 16mm



MMT25SF
code size
MMT25SFWH 25 x 16mm
Red and brown available as standard colours



MMT35SF
code size
MMT35SFWH 38 x 16mm



MMT45SF
code size
MMT45SFWH 38 x 25mm
Brown is available as a standard colour



Export lengths available –
contact us on
0208 900 2082 or
sales@bentechuk.com



Punched profiles **MMTH2**
code size
MMTH2WH 25 x 16mm
Red is available as standard colour



Punched profiles **MMTH2SF self fix**
code size
MMTH2SFWH 25 x 16mm



Punched profiles **MMTH4**
code size
MMTH4WH 38 x 25mm



Punched profiles **MMTH4SF self fix**
code size
MMTH4SFWH 38 x 25mm

ALSO AVAILABLE FROM



Odyssey Trunking



Light Gauge – Round Conduit

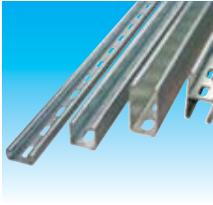


Mono Plus 20 Trunking

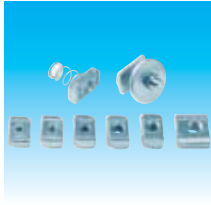


Mono Plus 30 Trunking

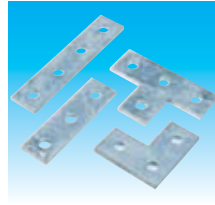
Metal framing



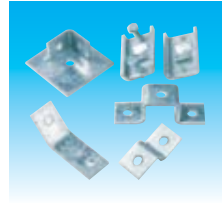
- Unistrut 41mm Wide Cold Rolled Channel



- Channel and Stud Nuts



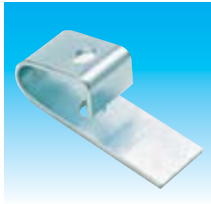
- Flat Fittings



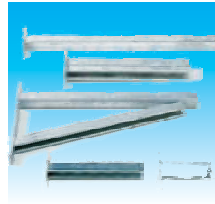
- Angle and Base Fittings



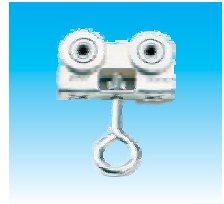
- Adjustable Fittings



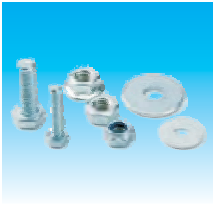
- Channel Beam Clamps



- Cantilever Arms



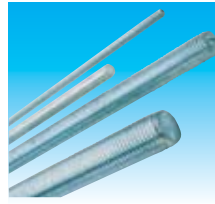
- Lighting Supports



- Nuts, Bolts and Washers



- Threaded Rod Connectors



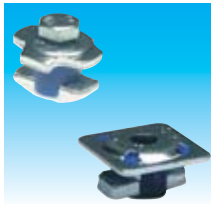
- Threaded Rod



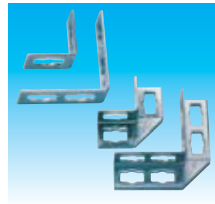
- Fixed Beam Clamps



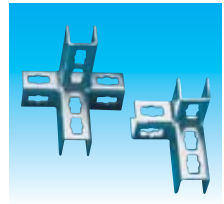
- Articulated Beam Clamps



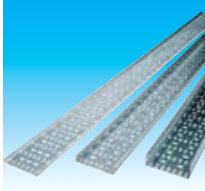
- Kwikstrut Channel Nuts



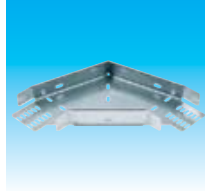
- Kwikstrut Angle Fittings



- Kwikstrut Multi-Way Fittings



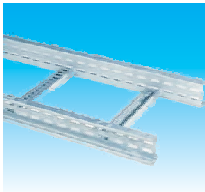
- Light, Medium and Heavy Duty Cable Tray



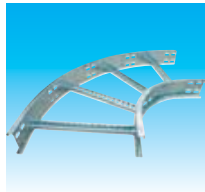
- Cable Tray Fittings



- Basket Tray



- Cable Ladder



- Cable Ladder Fittings

Contact our sales team for more information on **0208 900 2082** or sales@bentechuk.com

Pipe Supports



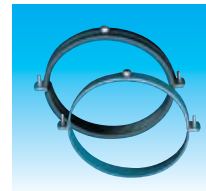
- Pipe Clips Insulated & Non Insulated



- Sprinkler Hangers



- Split Band Clips



- Ventilation Duct Clamps



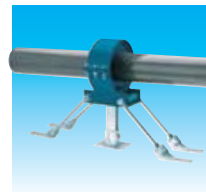
- Fittings for Ductile Iron Pipe



- Standard and Extended U-Bolts



- Slide Guides



- Sound Insulated Fix Points

A1/A2 GLAND KIT

Gland Reference		Cable Dimensions mm						Gland Dimensions mm		
Design Reference		SIZE	Cable Diameter Ø (B) mm		Entry Thread	Thread Length	Protrusion Length	Hexagon		
Standard	Nickel Plated	Metric	Qty	Min	Max	(D)	(E)	(F)	A/F (G)	A/C (H)
KM409-51	KM409-51V	16	2	3.5	8.5	M16×1.5	10	20	19	21.5
KM409-71	KM409-71V	20SS	2	3.5	8.5	M20×1.5	10	20	22	24.9
KM409-52	KM409-52V	20S	2	8	11.5	M20×1.5	10	22	22	24.9
KM409-53	KM409-53V	20	2	11	13.5	M20×1.5	10	22	24	27
KM409-55	KM409-55V	25	2	13	19.5	M25×1.5	10	25	30.5	34
KM409-56	KM409-56V	32	1	19	25.5	M32×1.5	10	25	42.4	48
KM409-57	KM409-57V	40	1	25	32	M40×1.5	15	33	47.2	53.6
KM409-58	KM409-58V	50S	1	31.5	37	M50×1.5	15	30	55	60
KM409-59	KM409-59V	50	1	36.5	43	M50×1.5	15	30	56.4	61.5
KM409-60	KM409-60V	63S	1	42.5	50	M63×1.5	15	34	70.1	77.2
KM409-61	KM409-61V	63	1	49.5	55	M63×1.5	15	32	75	83
KM409-62	KM409-62V	75S	1	54.5	61	M75×1.5	15	32	80	87.4
KM409-63	KM409-63V	75	1	60.5	67	M75×1.5	15	40	85	95
KP409-65*	KM409-65V	90	1	65	78	M90×2.0	20	45	106	117
KP409-66*	KM409-66V	100	1	75	88	M100×2.0	20	45	115	126
KP409-67*	KM409-67V	110	1	79	99	M110×2.0	20	55	Ø 132.0	

Technical Information:

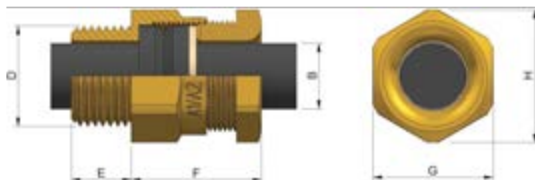
Suitable for use with all Un-armoured Cables

CuZn39Pb3 brass alloy used for guaranteed strength and performance

Complies with BS EN 50262 & BS 6121-1: 1989 Service temperature range -20°C to +90°C

Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface

Metric & NPT Nickel Plated versions available



A2EX EX D IIC / EX E II



Gland Reference		Cable Dimensions mm					Gland Dimensions mm			
Design Reference	SIZE	Cable Diameter Ø (B) mm		Entry Thread	Thread Length	Protrusion Length	Hexagon			
Standard	Nickel Plated	single	Min	Max	(D)	(E)	(F)	A/F (G)	A/C (H)	
494AB-51	494AB-51V	16	3.5	8.5	M16×1.5	15	36	22	24.9	
494AB-71	494AB-71V	20SS	3.5	8.5	M20×1.5	15	36	22	24.9	
494AB-52	494AB-52V	20S	8	11.5	M20×1.5	15	36	22	24.9	
494AB-53	494AB-53V	20	8	16	M20×1.5	15	34	25.7	28.7	
494AB-55	494AB-55V	25	11.5	21	M25×1.5	15	44	33	36.9	
494AB-56	494AB-56V	32	18.5	27.5	M32×1.5	15	38	37.5	42.2	
494AB-57	494AB-57V	40	24	34	M40×1.5	15	46	47.2	53.6	
494AB-59	494AB-59V	50	31	41	M50×1.5	15	44	56.4	61.5	
494AB-61	494AB-61V	63	40	52.5	M63×1.5	15	61	70	77.2	
494AB-62	494AB-62V	75S	52.5	58	M75×1.5	15	46	80	87.4	
494AB-63	494AB-63V	75	54.5	65.5	M75×1.5	15	66	80	87.4	

Technical Information:

Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

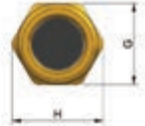
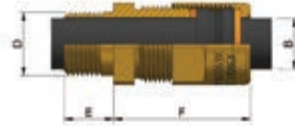
Certificate number Sira99ATEX1086X

IECEx Compliance Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1

Certificate number IECEx SIR 10.0.069X Service temperature range -50°C to +200°C

UL Classified in accordance with IEC 60079-0, 60079-1 and 60079-7 for use in hazardous locations

UL Listed for use in Class 1, Zone 0, 1 and 2 hazardous locations for Canada



BW GLAND KIT

Gland Kit Reference		Cable Dimensions mm					Gland Dimensions mm			
Qty per Kit	Armour Max	Entry Thread Wire Ø (D) (E) (F)	Thread Length	Protrusion Length	Hexagon					
Design Reference	Size	Qty per Kit	Min	Max	(D)	(E)	(F)	A/F (G)	A/C (H)	
KA410-52	20S	2	11.6	0.9	M20×1.5	10	24	22	24.9	
KA410-53	20	2	13.9	0.9/1.25	M20×1.5	10	25	27	30.5	
KA410-55	25	2	19.9	1.25/1.6	M25×1.5	10	26	32.9	36.8	
KA410-56	32	1	26.2	1.6/2.0	M32×1.5	10	28	42.4	47.8	
KA410-57	40	1	32.1	1.6/2.0	M40×1.5	15	25	50	57	
KA410-59	50	1	44	2.0/2.5	M50×1.5	15	36	70.1	77.2	
KA410-61	63	1	55.9	2.5	M63×1.5	15	30	80	87.4	
KA410-62	75S	1	61.9	2.5	M75×1.5	15	40	85	95	
KA410-63	75	1	67.9	2.5	M75×1.5	15	40	98.8	109.2	
KA410-64	85	1	74.5	3.15	M85×2.0	20	43	115	126	

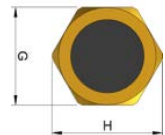
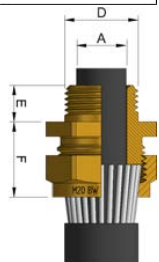
Technical Information:

Suitable for use with all Steel Wire Armoured Cables inc: BS 5467, BS 6622, BS 5308

CuZn39Pb3 brass alloy used for guaranteed strength and performance

Complies with BS 6121-1: 2005

Service temperature range -20°C to +90°C





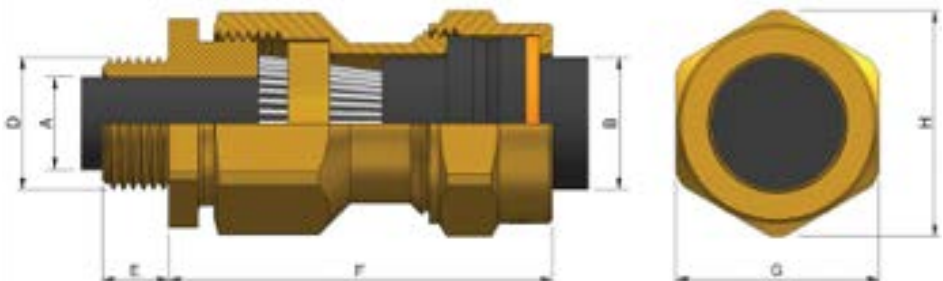
Kit comprises:
 CW Gland
 Brass Earth Tag
 Brass Locknut
 PVC Shroud
 (2 per kit up to and including 25mm size)

Technical Information:
 CuZn39Pb3 brass alloy used for guaranteed strength and performance
 Complies with BS EN 50262 & BS 6121-1:1989
 Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
 Service temperature range -20°C to +90°C Metric & NPT versions available



CW GLAND KIT

Gland Kit Reference				Cable Dimensions mm				Gland Dimensions mm				
Standard	Nickel Plated	Metric	NPT	Min		Max		(E)	(F)	A/F (G)		
KA419-51	KA419-51V	16		2	8.6	8	13.2	0.9	M16×1.5	10	44	20.8
KA419-71	KA419-71V	20SS		2	8.6	8	13.2	0.9	M20×1.5	10	44	23.4
KA419-52	KA419-52V	20S		2	11.6	8	15.8	0.9	M20×1.5	10	46	25.7
KA419-53	KA419-53V	20		2	13.9	11.7	20.8	0.9/1.25	M20×1.5	10	46	30.5
KA419-55	KA419-55V	25		2	19.9	17	27.2	1.25/1.6	M25×1.5	10	51	37.6
KA419-56	KA419-56V	32		1	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	56	47.3
KA419-57	KA419-57V	40		1	32.1	29	39.9	1.6/2.0	M40×1.5	15	59	56.4
KA419-58	KA419-58V	50S		1	38.1	38	46.2	2.0/2.5	M50×1.5	15	64	65.5
KA419-59	KA419-59V	50		1	44	39.5	52.6	2.0/2.5	M50×1.5	15	64	70.1
KA419-61	KA419-61V	63		1	55.9	51.3	65.3	2.5	M63×1.5	15	67	80
KA419-63	KA419-63V	75		1	67.9	62.5	78	2.5	M75×1.5	15	76	98.8
KA419-64	KA419-64V	85		1	74	68	88	3.15	M85×2.0	20	110	115
KA419-65	KA419-65V	90	1		79	79	90	3.15	M90×2.0	20	136	Ø 114
KA419-66	KA419-66V	100	1		89	89	99	3.15	M100×2.0	20	136	Ø 132.5
KA419-67	KA419-67V	110	1		99.5	99.5	112.5	3.15	M110×2.0	20	136	Ø 138.5





Triton CDS - The World's Safest Cable Gland



CMP Triton CDS Type T3CDS Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') & Restricted Breathing (Type 'nR') indoor & outdoor Cable Gland for use in Zone 1, Zone 2, Zone 21 & Zone 22 Explosive Atmospheres.

- For use with all types of Armoured cable.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides a Flameproof seal on the cable inner bedding.
- Environmental seal on cable outer sheath to IP68 & NEMA 4X.
- EMC Tested.
- Provides mechanical cable retention & electrical continuity via armour wire termination.
- Reversible armour cone & AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment.
- Deluge protected as standard.
- Operating temperature -60 to +130°C or -20 to +200°C.
- Fully sequential, three step make off procedure.
- Quick and easy assembly process, with face to face installation every time.
- "Right First Time" Installation concept, helps to reduce "down time" during plant construction whilst instilling peace of mind in the user.
- The risk of damage to the cable inner sheath is eliminated, regardless of the cable construction, even though the CDS sealing system is fully tightened every time.
- Uniform hexagon profile.

Available Options

- T3CDSPB - Lead Sheathed
- T3CDSX / W - Armour Specific
- TE1FU - Compact Stainless Steel
- T3CDSHT - High Temperature

Unique Compensating Displacement Seal (CDS) system, compatible with all types of cable. At the critical cable sealing point the CDS system protects the cable inner sheath from any excess force, which is transferred to and absorbed by the internal compensator incorporated in the CDS system. This allows the Cable Gland to be tightened face to face every time regardless of cable diameter.

CDS Compensator

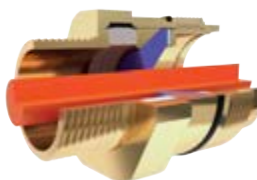
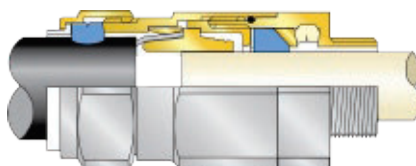


Figure 1 - When a smaller diameter cable is installed the inner compensator operates to a lesser extent.

CDS Compensator



Figure 2 - When a larger diameter cable is installed the inner compensator operates to a greater extent.



IP66 IP67 IP68

E Series - Double Seal Tri-Star for Armoured Cables



IP66

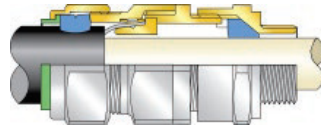
AVAILABLE OPTIONS

- E1FU / E2FU - Universal for all Armours
- E1FX / E2FX - Braid Armour Specific
- E1FW / E2FW - SWA Specific
- E***M - Mining Group I
- E***D - Deluge Protected



CMP E Type Tri-Star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') & Restricted Breathing (Type 'nR') indoor & outdoor Cable Gland for use in Zone 1, Zone 2, Zone 21 & Zone 22 Explosive Atmospheres with all types of armoured cable.

- For use with all types of Armoured cable.
- Available in Nickel Plated Brass, Brass & Aluminium.
- Provides a Flameproof seal on the cable inner bedding
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X (IP66 as standard IP67, IP68 on request).
- EMC Tested.
- Provides mechanical cable retention & electrical continuity via armour wire termination.
- Armour cone & AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment.
- E2** for lead sheathed cable.



A2F - Single Seal Tri-Star for Unarmoured Cables

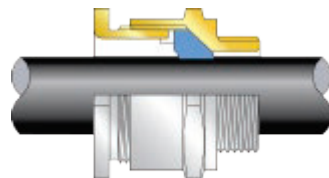


IP66 IP67 IP68



CMP Type A2F Tri-star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') & Restricted Breathing (Type 'nR') indoor & outdoor Cable Gland for use in Zone 1, Zone 2, Zone 21 & Zone 22 Explosive Atmospheres with unarmoured & braided cable.

- For use with all types of Unarmoured cable.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides a Flameproof seal on the cable bedding.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X.
- Provides cable retention.
- Operating temperature -60 to +130°C or -20 to +200°C.



AVAILABLE OPTIONS

- A2E - Ex e Only
- A2FHT - High Temperature
- A2F/M - Mining Group I

RapidEx - Barrier Glands Made Easy



The effective sealing of instrument & electrical cables should not be underestimated.

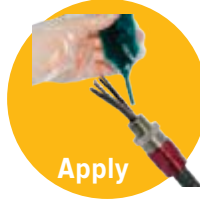
Traditional barrier type Cable Glands employing a clay based sealing compound, have been used in the industry for many years to provide effective explosion protection. However, a certain degree of risk is associated with this traditional installation process & this risk increases with the number of cable cores. Multi-core cables require the highest degree of competence & a long installation time to ensure a void free, safe installation. Not to recognize this will lead to rework, or failure of the seal.

RapidEx is a Liquid Pour, Fast Curing, Liquid Resin Barrier Seal that installs in seconds & cures in minutes. Its unique formula begins with a low viscosity liquid that flows into the cable interstices completely surrounding the cable conductors, & in the process displacing the air from the Cable Gland's sealing chamber ensuring the "perfect seal".

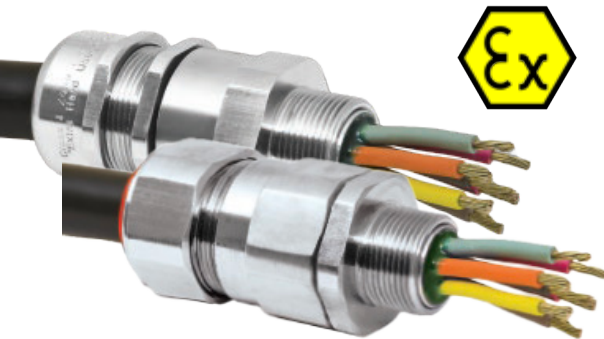
- The viscosity increases & completely cures in less than 40 minutes (at 20°C).
- Reduces risk.
- Delivers unprecedented reliability.
- Minimises installation time.
- Clean & easy to use.
- Thermal endurance / age tested to IEC 60079-1:2007, CSA-C 22.2 & UL 2225.

RapidEx is certified for use in Explosive Atmospheres with Global Certification including approval under IEC, NEC & CEC installation codes.

For the perfect seal every time choose RapidEx - Barrier Glands Made Easy



REX Series - RapidEx Barrier Cable Glands



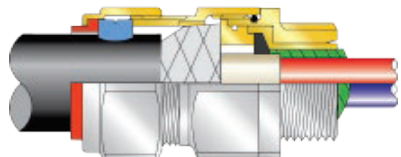
CMP Type PX***REX Tri-star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') & Restricted Breathing (Type 'nR') Cable Gland for use in Zone 1, Zone 2, Zone 21 & Zone 22 Explosive Atmospheres with all types of armoured & unarmoured cable providing a RapidEx barrier seal around the cable conductors & an environmental seal on the cable outer sheath.

- For use with all types of cable.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides a Flameproof RapidEx seal on the cable bedding.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X.
- Provides mechanical cable retention.
- Operating temperature -60 to +85°C.
- Deluge Protected.

IP66 IP67 IP68

AVAILABLE OPTIONS

- PX2KREX - Universal for all Armours
- PX2KWREX - SWA Specific
- PX2KXREX - Braid Armour Specific
- PXSS2KREX - Unarmoured
- PXRCREX - Conduit Connection
- PX2KREX/M - Mining Group I





SS2K - Double Seal Tri-Star for Unarmoured Cables



Available Options

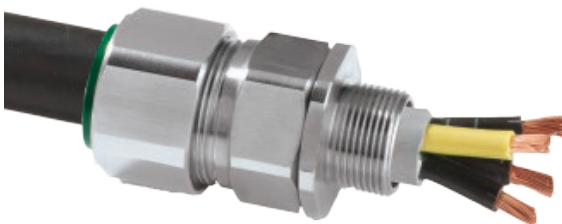
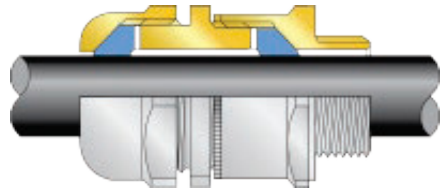
- SS2KPB - Lead Sheathed
- SS2KTA - Tape Armour
- SS2KHT - High Temperature

CMP Type SS2K Tri-Star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') & Restricted Breathing (Type 'nR') indoor & outdoor Cable Gland for use in Zone 1, Zone 2, Zone 21 & Zone 22 Explosive Atmospheres with unarmoured cables.

- For use with all types of Unarmoured cable.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides a Flameproof seal on the cable bedding.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X.
- Provides excellent cable retention.
- Operating temperature -60 to +130°C or -20 to +200°C.

IP66 IP67 IP68

CXe / CWe - Single Seal Ex e for Armoured Cables



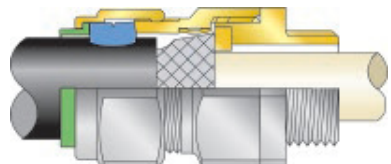
IP66

Available Options

- C2K - Universal for all Armours with Deluge Protection
- C2KHT - High Temperature

The CMP CXe / CWe Cable Gland is suitable for use with Increased Safety (Type 'e') equipment.

- For use with all types of Armoured cable (CWe for SWA cable & CXe for all other armour types)
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X (IP66 as standard IP67, IP68 on request).
- EMC Tested.
- Provides mechanical cable retention & electrical continuity via armour wire termination.
- Operating temperature -60 to +130°C or -20 to +200°C.



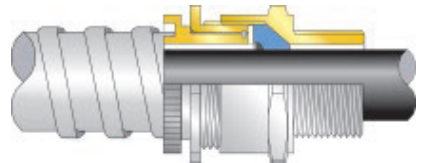
A2FRC / A2FFC - Tri-Star with Conduit Connection

CMP Type A2FFC / A2FRC Tri-Star Triple Certified Flameproof (Type "d"), Increased Safety (Type "e") & Restricted Breathing (Type "nR") indoor & outdoor flexible / rigid conduit connection cable gland for use in Zones 1, 2, 21 & 22, Explosive Atmospheres with unarmoured cable housed in metallic conduit systems.



IP66

- For use with all types of Unarmoured cable housed in conduit.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- A2FFC for flexible conduit, A2FRC for rigid conduits or flexible conduits with corresponding fitting.
- Provides a Flameproof seal on the cable bedding.
- Environmental seal on the cable outer sheath to IP66.
- Provides cable retention.
- Operating temperature -60 to +130°C.



A2F-FF - Tri-Star for Flat Form Cables

CMP Type A2F-FF Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') indoor and outdoor Cable Gland for use in Zone 1, Zone 2, Zone 21 and Zone 22 Explosive Atmospheres with flat form unarmoured and braided cable.

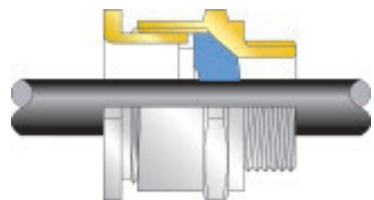
- For use with all types of Unarmoured & Braided flat form cable.
- Ideal for Heat Trace cables.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides a Flameproof seal on the cable bedding.
- Environmental seal on the cable outer sheath to IP68.
- Provides cable retention.
- Operating temperature -60 to +130°C or -20 to +200°C.



IP66 IP67 IP68

Available Options

- A2FF - Industrial use only
- A2FFFHT / A2FFHT - High Temperature



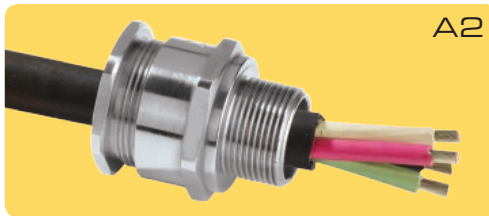


Industrial / General Purpose Cable Glands



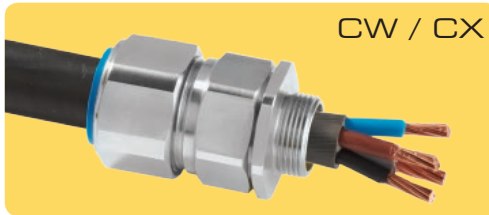
BW

- For use with SWA cables.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Provides mechanical cable retention & electrical continuity via armour wire termination.
- BWL available with longer body to protect the armour wires from impact.
- EMC Tested.



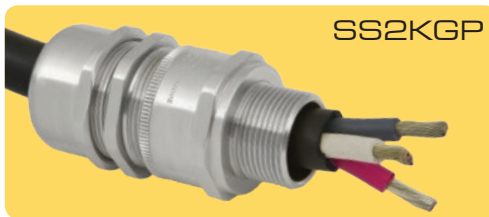
A2

- For use with all types of Unarmoured cables.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X.
- Provides cable retention.



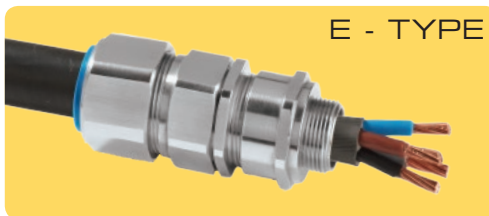
CW / CX

- For use with all types of Armoured cable (CW for SWA cable & CX for all other armour types).
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Environmental seal on the cable outer sheath to IP66
- EMC Tested.
- Provides mechanical cable retention & electrical continuity via armour wire termination.



SS2KGP

- For use with all types of Unarmoured cables.
- Available in Nickel Plated Brass, Brass, Stainless Steel & Aluminium.
- Double seal.
- Environmental seal on the cable outer sheath to IP68 & NEMA 4X.
- Provides cable retention.



E - TYPE

- For use with all types of Armoured cable.
- Available in Nickel Plated Brass, Brass, & Aluminium.
- Double seal.
- Environmental seal on the cable outer sheath to IP66.
- EMC Tested.
- Provides mechanical cable retention & electrical continuity via armour wire termination.

Cable Glands 121

Industrial

Application

- Outdoor or indoor use.
- For use with non-armoured elastomer and plastic insulated cables.



CABLE GLAND SELECTION TABLE

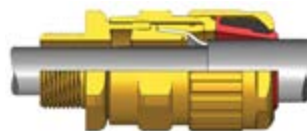
Size ref	Entry Thread Size		Cable Acceptance Details Standard seal		Alternative seal (s) Outer Sheath 'B'		Hexagon Dimensions		
	Metric	NPT * Standard or Option	Min	Max	Min	Max	'G'	Across Flats	Across Corners
ZK	M16	-	3	8	-	-	23.5	19	21.2
Os	M20 ²	½"	3	8	-	-	23.8	24	26.5
O	M20 ²	½"	7.5	11.9	-	-	23.8	24	26.5
A	M20	¾" or ½"	11	14.3	8.5	13.4	24.8	30	32.5
B	M25	1" or ¾"	13	20.2	9.5	15.4	25.8	36	39.5
C	M32	1¼" or 1"	19	26.5	15.5	21.2	28.2	46	50.5
C2	M40	1½" or 1¼"	25	32.5	22	28	29.5	55	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 ¹	27.5	34.8	40.4	65	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 ¹	39	46.5	38.2	80	88
F	M75	3" or 2½"	54.5	68.2 / 65.3 ¹	48.5	58.3	40.5	95	104

151/RAC

Industrial

Application

- Outdoor or indoor use.
- For use with non-armoured elastomer and plastic insulated cables.



CABLE GLAND SELECTION TABLE

Size ref	Entry Thread Size		Inner Sheath 'A'		Cable Acceptance Details Outer Sheath 'B'			Armour/ Braid 'C'		Hexagon Dimensions	
	Metric	NPT * Standard or Option	Max	Min	Max	Orientation 1	Orientation 2 'G'	'G'	Across Flats	Across Corners	
Os	M20 ²	½"	8	5.5	12	0.8/1.25	0.0/0.8	52	24	26.5	
O	M20 ²	½"	11.9	9.5	16	0.8/1.25	0.0/0.8	52	24	26.5	
A	M20	¾" or ½"	14.3	12.5	20.5	0.8/1.25	0.0/0.8	53	30	32.5	
B	M25	1" or ¾"	20.2	16.9	26	1.25/1.6	0.0/0.7	69.5	36	39.5	
C	M32	1¼" or 1"	26.5	22	33	1.6/2.0	0.0/0.7	64	46	50.5	
C2	M40	1½" or 1¼"	32.5	28	41	1.6/2.0	0.0/0.7	68.3	55	60.6	
D	M50	2" or 1½"	44.4 / 42.3 ¹	36	52.6	1.8/2.5	0.0/1.0	79	65	70.8	
E	M63	2½" or 2"	56.3 / 54.3 ¹	46	65.3	1.8/2.5	0.0/1.0	78.9	80	88	
F	M75	3" or 2½"	68.2 / 65.3 ¹	57	78	1.8/2.5	0.0/1.0	83.7	95	104	
G	M80	3½"	72	75	89.5	2.0/3.5	0.0/1.0	95.6	106.4	115	
H	M90	3½"	80	75	89.5	2.0/3.5	0.0/1.0	95.6	115	130	
J	M100	4"	90	88	104.5	2.5/4.0	0.0/1.0	95.6	127	142	

All dimensions in millimetres (except * where dimensions are in inches). Os - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. For G size glands and above, a 2mm pitch is supplied as standard. 20mm length of thread (1.5mm pitch with 15mm length of thread can be sup-plied) please specify when ordering.

153/RAC/L (for Lead Sheath Cables)

Application

- Outdoor or indoor use.
- For use with single wire armour 'W', wire braid 'X', aluminium strip armour 'Y' and steel tape armour 'Z' elastomer and plastic insulated cables.



CABLE GLAND SELECTION TABLE

Cable Acceptance Details

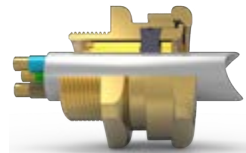
Size ref	Entry Thread Size		Inner Sheath 'A' Standard (L) Seal + Bond		Alternative Seal (K) Seal + Bond		Outer Sheath 'B'		Armour/ Braid 'C'		Hexagon Dimensions		
	Metric	NPT * Standard or Option	Min	Max	Min	Max	Min	Max	Orientation 1	Orientation 2	'G'	Across Flats	Across Corners
O	M20 ²	½"	6.5	10.5	-	-	9.5	16	0.8/1.25	0.0/0.8	52	24	26.5
A	M20	¾" or ½"	-	-	8.5	13.4	12.5	20.5	0.8/1.25	0.0/0.8	53	30	32.5
B	M25	1" or ¾"	12.5	19	9.5	15.4	16.9	26	1.25/1.6	0.0/0.7	69.5	36	39.5
C	M32	1¼" or 1"	19	25	14.5	21.2	22	33	1.6/2.0	0.0/0.7	64	46	50.5
C2	M40	1½" or 1¼"	25	31.2	22	28	28	41	1.6/2.0	0.0/0.7	68.3	55	60.6
D	M50	2" or 1½"	31.5	42.3 / 42.8 ¹	27.5	34.8	36	52.6	1.8/2.5	0.0/1.0	79	65	70.8
E	M63	2½" or 2"	42.5	53.3 / 54.5 ¹	39	46.5	46	65.3	1.8/2.5	0.0/1.0	78.9	80	88
F	M75	3" or 2½"	54.5	66.0 / 64.3 ¹	48.5	58.3	57	78	1.8/2.5	0.0/1.0	83.7	95	104
G	M80	3½"	67	70	-	-	75	89.5	2.0/3.5	0.0/1.0	95.6	106.4	115
H	M90	3½"	67	75	-	-	75	89.5	2.0/3.5	0.0/1.0	95.6	115	130
J	M100	4"	75	89.5	-	-	88	104.5	2.5/4.0	0.0/1.0	95.6	127	142

501/421

Application

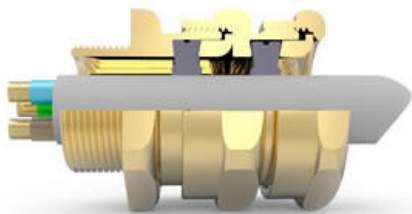
- The 501/421 cable gland provides a seal on the outer cable sheath
- For use on non-armoured elastomer and plastic insulated cables
- Suitable for installation in Zone 1 (21), Zone 2 (22) and Division 2 hazardous areas.

Size ref	Entry Thread Size 'E'		Standard Seal		Outer Sheath 'B' Alternative Seal (S)		Hexagon Dimensions		
	Metric	NPT * Standard or Option	Min	Max	Min	Max	Fully Compressed Length 'G'	Across Flats	Across Corners
2K	M16	-	3.2	8	-	-	23.5	19	21.2
Os	M20 ²	½"	3.2	8	-	-	23.8	24	26.5
O	M20 ²	½"	6.5	11.9	-	-	23.8	24	26.5
A	M20	¾" or ½"	10	14.3	9	13.4	24.8	30	32.5
B	M25	1" or ¾"	13	20.2	9.5	15.4	25.8	36	39.5
C	M32	1¼" or 1"	19.5	26.5	15.4	21.2	28.2	46	50.5
C2	M40	1½" or 1¼"	25	32.5	22	28	29.5	55	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 ¹	27.5	34.8	40.4	65	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 ¹	39	46.5	38.2	80	88
F	M75	3" or 2½"	54.5	68.2 / 65.3 ¹	48.5	58.3	40.5	95	104
G	M80	3½"	67	73	-	-	41	106.4	115
H	M90	3½"	67	77.6	-	-	41	115	130
J	M100	4"	75	91.6	-	-	41	127	142



Group II Cable Glands

Flameproof, Increased Safety, Dust Protection Class -
Zones - Divisions Certified ATEX / IECEx / c CSA us



Application

- The 501/423 cable gland provides two independent seals on non-armoured elastomer and plastic insulated cables. The first is a flameproof seal on the inner or outer cable sheath, with an additional IP seal on the outer sheath.
- Certified Exd, Exe and Extb
- Suitable for installation in Zone 1 (21) and Zone 2 (22) hazardous areas.

501/423

CABLE GLAND SELECTION TABLE

Cable Acceptance Details

Size ref	Entry Thread Size 'F'		Outer Sheath 'B'				Hexagon Dimensions		
	Metric	NPT * Standard or Option	Standard Seal Min	Standard Seal Max	Alternative Seal (S) Min	Alternative Seal (S) Max	'G'	Across Flats	Across Corners
Os	M20 ²	½"	3.2	8	-	-	40	24	26.5
O	M20 ²	½"	6.5	11.9	-	-	40	24	26.5
A	M20	¾" or ½"	10	14.3	9	13.4	40.4	30	32.5
B	M25	1" or ¾"	13	20.2	9.5	15.4	44.3	36	39.5
C	M32	1¼" or 1"	19.5	26.5	15.5	21.2	47.2	46	50.5
C2	M40	1½" or 1¼"	25	32.5	22	28	49.5	55	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 ¹	27.5	34.8	72.5	65	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 ¹	39	46.5	64.8	80	88
F	M75	3" or 2½"	54.5	68.2 / 65.3 ¹	49.5	58.3	68	95	104
G	M80	3½"	67	73	-	-	68	106.4	115
H	M90	3½"	67	77.6	-	-	68	115	130
J	M100	4"	75	91.6	-	-	68	127	142



Application

- Outdoor or indoor use.
- For use with single wire armour 'W', wire braid 'X', steel tape armour 'Z', elastomer and plastic insulated cables.
- See technical section for installation rules and regulations.

501/453/RAC

Size ref	Entry Thread Size		Inner Sheath 'A' Standard (L) Seal + Bond		Alternative Seal (K) Seal + Bond		Outer Sheath 'B'		Armour/ Braid 'C'			Hexagon Dimensions	
	Metric	NPT * Standard or Option	Min	Max	Min	Max	Min	Max	Orientation 1	Orientation 2	'G'	Across Flats	Across Corners
Os	M20 ²	½"	3.2	8	-	-	5.5	12	0.8/1.25	0.0/0.8	52	24	26.5
O	M20 ²	½"	6.5	11.9	-	-	9.5	16	0.8/1.25	0.0/0.8	52	24	26.5
A	M20	¾" or ½"	10	14.3	9	13.4	12.5	20.5	0.8/1.25	0.0/0.8	53	30	32.5
B	M25	1¼" or ¾"	13	20.2	9.5	15.4	16.9	26	1.25/1.6	0.0/0.7	59.5	36	39.5
C	M32	1 or 1¼"	19.5	26.5	15.5	21.2	22	33	1.6/2.0	0.0/0.7	64	46	50.5
C2	M40	1½" or 1¼"	25	32.5	22	28	22	41	1.6/2.0	0.0/0.7	68.3	55	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 ¹	27.5	34.8	28	53.6	1.8/2.5	0.0/1.0	79	65	70
E	M63	2½" or 2"	42.5	56.3 / 54.3 ¹	39	46.5	36	65.3	1.8/2.5	0.0/1.0	78.4	80	88
F	M75	3" or 2½"	54.5	68.2 / 65.3 ¹	49.5	58.3	46	78	1.8/2.5	0.0/1.0	83.7	95	104
G	M80	3½"	67	73	-	-	57	89.5	2.0/3.5	0.0/1.0	95.6	106.4	115
H	M90	3½"	67	77.6	-	-	75	85.5	2.0/3.5	0.0/1.0	95.6	115	130
J	M100	4"	75	81.6	-	-	88	104.5	2.5/4.0	0.0/1.0	95.6	127	115



501/453/UNIV



Group II Cable Glands

Flameproof, Increased Safety, Dust Protectio & Restricted Breathing
Class - Zones - Divisions

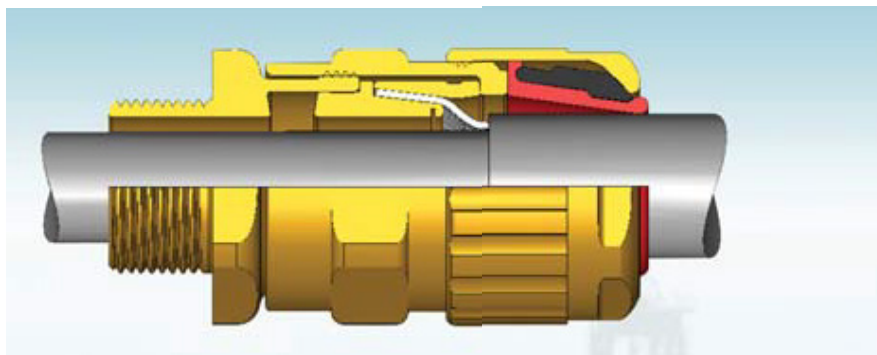
Certified ATEX / IECEx / c CSA us

Application

Outdoor or indoor use.

- For use with single wire armour 'W', wire braid 'X', steel tape armour 'Z', elastomer and plastic insulated cables.
- For particular use with Cables that exhibit 'Cold Flow' characteristics.
- See technical section for installation rules and regulations.

Size ref	Entry Thread Size		Inner Sheath 'A'		Outer Sheath 'B'		Armour/ Braid 'C'			Hexagon Dimensions	
	Metric	NPT * Standard or Option	Min	Max	Min	Max	Orientation 1	Orientation 2 'G'		Across Flats	Across Corners
Os	M20 ²	½"	3.5	8.1	5.5	12	0.8/1.25	0.0/0.8	61.6	24	26.5
O	M20 ²	½"	6.5	11.4	9.5	16	0.8/1.25	0.0/0.8	61.6	24	26.5
A	M20	¾" or ½"	8.4	14.3	12.5	20.5	0.8/1.25	0.0/0.8	63	30	32.5
B	M25	1" or ¾"	11.1	19.7	16.9	26	1.25/1.6	0.0/0.7	69.9	36	39.5
C	M32	1¼" or 1"	17.6	26.5	22	33	1.6/2.0	0.0/0.7	73.2	46	50.5
C2	M40	1½" or 1¼"	23.1	32.5	28	41	1.6/2.0	0.0/0.7	77.9	55	60.6
D	M50	2" or 1½"	28.9	44.4/42.3 ¹	36	52.6	1.8/2.5	0.0/1.0	93.5	65	70.8
E	M63	2½" or 2"	39.9	56.3/54.3 ¹	46	65.3	1.8/2.5	0.0/1.0	94	80	88
F	M75	3" or 2½"	50.5	68.2/65.3 ¹	57	78	1.8/2.5	0.0/1.0	103	95	104
G	M80	3½"	67	73	75	89.5	2.0/3.5	0.0/1.0	90.6	106.4	115
H	M90	3½"	67	77.6	75	89.5	2.0/3.5	0.0/1.0	90.6	115	130
J	M100	4"	75	91.6	88	104.5	2.5/4.0	0.0/1.0	90.6	127	142



SKINTOP® ST-M & STR-M



Material: Body & cap - Polyamide (UL94V2) insert - chloroprene rubber

Connecting thread: M 12 x 1.5 - M 63 x 1.5 in acc. on En 60 423, tab. 1

Thread: trapezoidal thread

IP protection: iP 68 5 bar/30 min, in acc. to En 60 529, (with o-ring for M40 – M63)

iP 69K, in acc. Din 40 050, (with o-ring for M40 – M63)

Strain relief: cat A, in acc. to En 50262

Temperature range dynamic: -20° c up to +100° c static: -40°c up to +100°c

(during assembly in acc. to En 50262)

Approvals: UL, cSA, VDE, DnV

SKINTOP® ST-M

Part code					
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Thread Size	To suit cable dia. between (mm)	Thread length (mm)
53111000	53111400	53111200	M12 x 1.5	3.5 - 7	8
53111010	53111410	53111210	M16 x 1.5	4.5 - 10	8
53111020	53111420	53111220	M20 x 1.5	7 - 13	9
53111030	53111430	53111230	M25 x 1.5	9 - 17	10
53111040	53111440	53111240	M32 x 1.5	11 - 21	10
53111050	53111450	53111250	M40 x 1.5	19 - 28	10
53111060	53111460	53111260	M50 x 1.5	27 - 35	12
53111070	53111470	53111270	M63 x 1.5	34 - 45	12

SKINTOP® STR-M REDUCING INSERT

Part code					
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Thread Size	To suit cable dia. between (mm)	Thread length (mm)
53111000	53111500	53111300	M12 x 1.5	01 - May	8
53111010	53111510	53111310	M16 x 1.5	02 - Jul	8
53111020	53111520	53111320	M20 x 1.5	05 - Oct	9
53111030	53111530	53111330	M25 x 1.5	Jun - 13	10
53111040	53111540	53111340	M32 x 1.5	Jul - 15	10
53111050	53111550	53111350	M40 x 1.5	15 - 23	10
53111060	53111560	53111260	M50 x 1.5	22 - 29	12
53111070	53111570	53111270	M63 x 1.6	28 - 39	12

SKINTOP® CLICK / CLICK-R



Body: polyamide based plastic (UL 94-V2)

Cup nut: polyamide based plastic (UL 94-V2)

Seal insert: elastomer

Pressure nut: polyamide based plastic, fibre-glass reinforced (UL 94-V2)

Flat seating ring: elastomer/thermoplastic for size Ø 12, Ø 16, Ø 20, Ø 25

O-Ring: nBr for size Ø 32 Functional thread: multi-start trapezoidal thread

Protection class: iP 68, 5 - bar

Temperature range: -20°c up to +100°c

SKINTOP® CLICK

Part code					
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Size	To suit cable dia. between (mm)	Hole size (mm)
53112921	53112692	53112923	12	3.5 - 7	12.3 (-0.2)
53112876	53112686	53112882	16	4.5 - 10	16.3 (-0.2)
53112877	53112687	53112883	20	7 - 13	20.3 (-0.2)
53112878	53112688	53112884	25	9 - 17	25.3 (-0.2)
53112922	53112694	53112924	32	11 - 21	32.3 (-0.2)

SKINTOP® CLICK-R REDUCING INSERT

Part code					
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Size	To suit cable dia. between (mm)	Hole size (mm)
53112927	53112925	53112929	12	1 - 5	12.3 (-0.2)
53112879	53112689	53112885	16	4 - 7	16.3 (-0.2)
53112880	53112690	53112886	20	5 - 10	20.3 (-0.2)
53112881	53112691	53112887	25	6 - 13	25.3 (-0.2)
53112928	53112926	53112931	32	7 - 15	32.3 (-0.2)

SKINTOP® MS-M & MSR-M



Material: Body: nickel Plated Brass Seal: chloroprene rubber insert: Polyamide o ring: nBr

Connecting thread: M 12 x 1.5 up to M75 x 1.5, M90 x 2 M110 x 2 in acc. to En 60423

IP protection: IP 68, in acc. to En 60529, for M63 plus and M75 iP 69K in acc. to Din 40 050 for M12 up to M63 iP test for M90 and M110 in pending.

Temperature range: -30°C up to +100°C

Approvals: VDE, UL, cSA, DnV for sizes up to 63mm

SKINTOP® MS-M

Part code	SKINTOP® MS-M		
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Thread Size
53112000	M12 x 1.5	3 - 7	6.5
53112010	M16 x 1.5	4.5 - 10	7
53112020	M20 x 1.5	7 - 13	8
53112030	M25 x 1.5	9 - 17	8
53112040	M32 x 1.5	11 - 21	9
53112050	M40 x 1.5	19 - 28	9
53112060	M50 x 1.5	27 - 35	10
53112070	M63 x 1.5	34 - 45	15
53112080	M63 x 1.5 plus	44 - 55	15
53112510	M75 x 1.5	58 - 68	15
53112512	M90 x 2.0	66 - 78	20
53112514	M110 x 2.0	86 - 98	20

SKINTOP® MSR-M

Part code	SKINTOP® MSR-M		
Grey (RAL7001)	Light Grey (RAL7935)	Black (RAL9005)	Thread Size
53112100	M12 x 1.5	1 - 5	6.5
53112110	M16 x 1.5	2 - 7	7
53112120	M20 x 1.5	5 - 10	8
53112130	M25 x 1.5	6 - 13	8
53112140	M32 x 1.5	7 - 15	9
53112150	M40 x 1.5	15 - 23	9
53112160	M50 x 1.5	22 - 29	10
53112170	M63 x 1.5	28 - 39	15
53112511	M75 x 1.5	53 - 63	15
53112515	M110 x 2.0	76 - 88	25

SKINTOP® MS-M ATEX & MSR-M ATEX



Material: Gland Body: nickel Plated Brass cap nut: nickel Plated Brass Seal: Elastomere insert: Plastic Polyamide-based o ring: Elastomere

Connecting thread: M12 x 1.5 up to M63 x 1.5 in acc. to En 60423

IP protection: iP 68 10 bar, in acc. to En 60529.

Temperature range: -30°C up to +100°C

SKINTOP® MS-M ATEX

Part No	Thread Size	To suit cable dia.between (mm)	Thread length (mm)
53112700	M12 x 1.5	3 - 7	6.5
53112710	M16 x 1.5	4.5 - 10	7
53112720	M20 x 1.5	7 - 13	8
53112730	M25 x 1.5	9 - 17	8
53112740	M32 x 1.5	11 - 21	9
53112750	M40 x 1.5	19 - 28	9
53112760	M50 x 1.5	26 - 35	10
53112770	M63 x 1.5	34 - 45	15
53112779	M63 x 1.5 plus	44 - 55	15

SKINTOP® MSR-M ATEX

Part No	Thread Size	To suit cable dia.between (mm)	Thread length (mm)
53112705	M12 x 1.5	2 - 5	6.5
53112715	M16 x 1.5	4 - 7	7
53112725	M20 x 1.5	5 - 10	8
53112735	M25 x 1.5	6 - 13	8
53112745	M32 x 1.5	7 - 15	9
53112755	M40 x 1.5	16 - 23	9
53112765	M50 x 1.5	19 - 29	10
53112775	M63 x 1.5	32 - 39	15

SKINTOP® MS-SC-M / MS-SC-M-XL



Material: Brass nickel-plated
 Sealing ring: chloroprene rubber
 O-ring: nBR
 Protection Class iP68, test in acc. to En 60 529
 UL File No. E79903
 Temperature: -25°C up to +100°C
 Thread Type: ISO metric

SKINTOP® MS-SC-M

Part No	Thread Size	To suit cable dia.between (mm)	Thread length (mm)
53112610	M12 x 1.5	3.5 - 7	6.5
53112620	M16 x 1.5	4.5 - 9	7.0
53112630	M20 x 1.5	7 - 12.5	8.0
53112640	M25 x 1.5	9 - 16.5	8.0
53112650	M32 x 1.5	11 - 21	9.0
53112660	M40 x 1.5	19 - 28	9.0
53112670	M50 x 1.5	27 - 35	10.0

SKINTOP® MS-SC-M-XL

Part No	Thread Size	To suit cable dia.between (mm)	Thread length (mm)
53112625	M16 x 1.5	4.5 - 9	12.0
53112635	M20 x 1.5	7 - 12.5	12.0
53112645	M25 x 1.5	9 - 16.5	12.0
53112655	M32 x 1.5	11 - 21	15.0
53112665	M40 x 1.5	19 - 28	15.0
53112675	M50 x 1.5	27 - 35	15.0



Bentech supply a large range of Lapp tools
 – contact us on **0208 900 2082** or
sales@bentechuk.com for more information

OTHER BRANDS AVAILABLE



Non-Metallic Conduit and Fittings

Non-metallic systems are typically lighter, easier to work with and more cost effective to install.

With advances in material technologies non-metallic systems can provide an alternative solution where typically only metal systems had been considered previously.

Standard LOW FIRE HAZARD

Standard LOW FIRE HAZARD Standard LOW FIRE HAZARD

FPAS	FPAL	FPAH	FPASC
<p>Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Orange available on request.* Typical Applications: All types of machinery, public buildings.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High impact strength and recovers if crushed Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) Lloyd's Register Type Approval UL recognised Low Fire Hazard (LFH), see page 149 UL 94 V2 flame retardancy Halogen, sulphur and phosphorus free V resistant (black) Abrasion resistant Highly resistant to solvents and oils Slit version also available FPAS-S please contact us 	<p>Construction: Light weight nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Typical Applications: Machines where lower mechanical protection is required and buildings.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High impact strength and recovers if crushed Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) UL recognised Highly resistant to solvents and oils Self extinguishing Halogen, sulphur and phosphorus free 	<p>Construction: Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour: Black. Typical Applications: All types of machinery and public buildings where high mechanical strength required.</p> <ul style="list-style-type: none"> High mechanical strength High impact resistance Temperature range -40°C to +120°C UL recognised Low Fire Hazard (LFH), see page 149 UL 94 V2 flame retardancy Halogen, sulphur and phosphorus free UV resistant Abrasion resistant Highly resistant to solvents and oils 	<p>Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Typical Applications: All types of machinery, public buildings where UL listed is a requirement.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High impact strength and recovers if crushed Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) UL listed Lloyd's Register Type Approval Low Fire Hazard (LFH), see page 149 UL 94 V2 flame retardancy Halogen, sulphur and phosphorus free UV resistant (black) Abrasion resistant Highly resistant to solvents and oils



FPAS				FPAL				FPAH				FPASC								
reel length (m)	outside dia (mm)	inside dia (mm)	min. inside bend radius (mm)	reel length (m)	outside dia (mm)	inside dia (mm)	min. inside bend radius (mm)	reel length (m)	outside dia (mm)	inside dia (mm)	min. inside bend radius (mm)	reel length (m)	outside dia (mm)	inside dia (mm)	min. inside bend radius (mm)					
FPAS10	50	10.0	6.3	15	FPAL10	50	10.0	6.5	15											
FPAS11	50	11.5	8.2	20	FPAL11	50	11.5	8.4	20	FPAH13	50	13.0	9.0	35						
FPAS13	25, 50	13.0	9.8	25	FPAL13	50	13.0	10.0	25	FPAH16	50	15.8	11.5	45						
FPAS16	25, 50	15.8	11.8	35	FPAL16	50	15.8	12.0	35											
FPAS18	50	18.5	14.2	40	FPAL18	50	18.5	14.2	35											
FPAS20	10, 25, 50	20.0	14.8	45	FPAL20	50	20.0	15.0	40											
FPAS21	10, 25, 50	21.2	16.7	45	FPAL21	50	21.2	16.9	40	FPAH21	50	21.2	15.5	55	FPAS21C	50	21.2	16.0	45	
FPAS25	10, 25, 50	25.0	19.1	50	FPAL25	50	25.0	19.3	45											
FPAS28	10, 25, 50	28.5	22.8	50	FPAL28	50	28.5	23.0	45	FPAH28	50	28.5	21.3	60	FPAS28C	50	28.5	21.7	50	
FPAS34	25, 50	34.5	28.1	60	FPAL34	25, 50	34.5	28.3	55	FPAH34	50	34.5	27.6	70	FPAS34C	50	34.5	28.1	60	
FPAS34F*	50	34.5	28.8	60																
FPAS42	10, 25, 50	42.5	35.5	70	FPAL42	25	42.5	35.7	65	FPAH42		42.5	34.6	80	FPAS42C	25	42.5	35.5	70	
FPAS54	10, 25, 50	54.5	47.2	80	FPAL54	25	54.5	47.4	80	FPAH54	25	54.5	46.0	90	FPAS54C	25	54.5	47.2	80	
FPAS67	10	67.2	56.3	130	FPAL67	10	67.2	56.5	110							FPAS67C	10	67.2	56.3	130



We have a range of products that can offer properties dependent on your requirement for impact resistance, flexibility, fatigue life, operating temperature and fire performance to name but a few.

Standard LOW FIRE HAZARD

Standard LOW FIRE HAZARD

Standard LOW FIRE HAZARD

NEW

FPR	FPADS	FPI	FPIH	FPIHR
<p>Construction: Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit.</p> <p>Colour: Black. Typical Applications: Railways, underground and public buildings.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High impact strength and recovers if crushed Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) UL recognised Lloyd's Register Type Approval Extra Low Fire Hazard (LFH) Compliant to LUL Std S1085 UL 94 V0 flame retardancy Halogen, sulphur and phosphorus free UV resistant Abrasion resistant Highly resistant to solvents and oils 	<p>Construction: Double slit nylon (PA6) corrugated conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Retrofit and cable assemblies with pre terminated plugs.</p> <ul style="list-style-type: none"> Made from 2 interlocking slit corrugated conduits Temperature range -40°C to +120°C Cables can be inserted laterally Provides abrasion resistance and routing of cables for static applications Self extinguishing Halogen, sulphur and phosphorus free UV resistant Other colours available* in 21mm and 28mm Grey, Blue, Orange and White Also available in polypropylene in Black 	<p>Construction: Standard weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Robots and continual flexing.</p> <ul style="list-style-type: none"> Highly flexible Exceptional fatigue life High impact resistance even at very low temperatures UV resistant Displays self recovery if crushed Temperature range -50°C to +110°C UL recognised Highly resistant to solvents and oils Self extinguishing Halogen, sulphur and phosphorus free 	<p>Construction: Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Robots and continual flexing where higher mechanical strength required.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High mechanical strength High impact resistance even at very low temperatures UV resistant Displays self recovery if crushed Temperature range -50°C to +110°C UL recognised Highly resistant to solvents and oils Self extinguishing Halogen, sulphur and phosphorus free 	<p>Construction: Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Where continual movement or flexing is required, with a higher mechanical strength even at very low temperatures such as on Boggles or Inter-car Jumper assemblies. Rolling Stock applications requiring a superior level of fire performance.</p> <ul style="list-style-type: none"> Highly flexible and high fatigue life High mechanical strength High impact resistance even at very low temperatures UV resistant Displays self recovery if crushed Temperature range -50°C to +110°C Highly resistant to solvents and oils Self extinguishing Extra Low Fire Hazard (LFH) Halogen, sulphur and phosphorus free EN 45545 and NFPA 130

FPAS	Part number					FPAS11*	Part number					FPAL	Part number					FPAH	Part number					FPASC	Part number															
	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)			reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)			reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)			reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)			reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)												
FPR10	50	50	10.0	6.3	15		11.5	6.2			50	13.0	9.8	25																										
FPR13	50	50	13.0	9.8	25	50	50	15.8	10.3	75	FPI13					FPAH13	50	13.0	9.0	25		50	13.0	9.0	25															
FPR16	50	50	15.8	11.8	35	FPADS13				100	FPI16					FPAH16	50	15.8	11.5	35		50	15.8	11.5	35															
FPR20	50	50	20.0	14.8	45	FPADS16				50	21.2	13.9																												
FPR21	50	50	21.2	16.7	45					120	FPI21					FPAH21	50	21.2	15.5	45																				
FPR25	50	50	25.0	19.1	50	FPADS21																																		
FPR28	50	50	28.5	21.7	50		50	28.5	20.5		25	34.5	26.6	170	FPI28	50	28.5	21.7	45																					
FPR34	50	50	34.5	28.1	60	FPADS28				180	FPI34	25	34.5	28.1	55	FPAH28	50	28.5	21.3	50																				
FPR42	25	25	42.5	35.5	70	FPADS34	25																																	
FPR54	25	25	54.5	47.2	80		25	42.5	32.0	200	FPI42	25	42.5	35.5	60	FPAH42	25	42.5	34.6	70																				
FPR67	10	10	67.2	56.3	130	FPADS42	54.5	43.0	240	FPI54	25	54.5	47.2	70	FPAH54	25	54.5	46.0	80																					
						FPADS54	10				FPI67	10	67.2	56.3	120	FPIH67	10	67.2	56.0	130																				

NEW

FPP

Construction: Standard weight polypropylene, flexible conduit.
Colour: Black, Grey (RAL 7031) or White (see page 71)
Typical Applications: Buildings, particularly where buried in concrete or plaster.

- Acid resistant
- Temperature range -20°C to +90°C
- Self extinguishing
- Slit version also available FPP-S

FCL

nylon corrugated conduit clip with integral lid
Nylon PA66 conduit clip with integral lid for increased security. Incorporates internal ribs to prevent corrugated conduit from pulling through, 20 Kg with FPAS21.

FCLAMP

non-metallic, heavy duty conduit clamp
Nylon PA66, conduit fixing clamp for corrugated conduit. Suitable for use with fine or coarse pitch conduits. Can be used with a range of accessories including cover plates and weld plates (available separately)

EC

end cap
Nylon PA66 end cap to snap over end of conduit and provide a smooth entry bush to prevent snagging and sharp edges, and provide a neat finish when no connectors are used.

REC

rubber end cap
Thermoplastic elastomer cap used to seal end of conduit. Can be cut to size depending on size of cable. Can be additionally secured using cable tie (not supplied).

FPP-NFR

LSOH conduit for data cabling applications.

FPPH

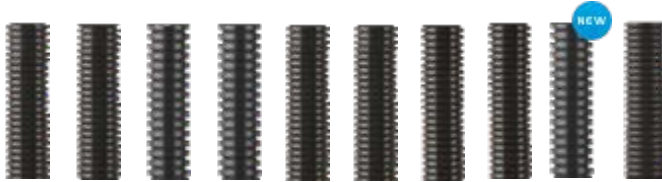
Heavy weight conduit for buried underground applications.



FPP	Part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	Conduit/Clip	FCLAMP	End Clip	part number	to fit conduit size	outlet ID mm
						FCL10			REC10	10	0-7
									REC10	11	0-7
						FCL13			REC13	13	0-7
						FCL16	FCLAMP- 3-16	EC16B	REC16	16	0-11
						FCL18					
						FCL20					
						FCL21	FCLAMP- 3-21	EC21B	REC21	21	0-15
						FCL21	FCLAMP- 3-21	EC21B	REC21	21	0-15
						FCL25					
						FCL28	FCLAMP- 4-28	EC28B	REC28	28	0-21
						FCL28	FCLAMP- 4-28	EC28B	REC28	28	0-21
						FCL34	FCLAMP- 5-34	EC34B	REC34	34	0-25
						FCL34	FCLAMP- 5-34	EC34B	REC34	34	0-25
						FCL42	FCLAMP- 6-42	EC42B	REC42	42	0-34
						FCL54	FCLAMP- 7-54	EC54B	REC54	54	0-46
							FCLAMP- 7-67		REC67	67	0-52

F = fine pitch

Non-Metallic Conduit and Fittings



				FPAS	FPAL	FAH	FPASC	FPR	FPADS	FPI	FPIH	FPIHR	FPP
				Part number	Part number	Part number	Part number	Part number	Part number	Part number	Part number	Part number	Part number
7	F	10	10.0	FPAS10	FPAL10			FPR10					FPP10
7	F	10											
8	F	11	11.5	FPAS11	FPAL11				FPADS11				
10	F	13	13.0	FPAS13	FPAL13	FAH13		FPR13	FPADS13	FPI13	FPIH13	FPIHR13	FPP13
10	F	13											
10	F	13											
12	F	16	15.8	FPAS16	FPAL16	FAH16		FPR16	FPADS16	FPI16	FPIH16	FPIHR16	FPP16
12	F	16											
12	F	16											
12	F	16											
14	F	18	18.5	FPAS18	FPAL18								
14	F	18											
	C	20	20.0	FPAS20				FPR20					FPP20
17	F	21	21.2	FPAS21	FPAL21			FPR21		FPI21			FPP21
17	C	21				FAH21	FPAS21C		FPADS21		FPIH21	FPIHR21	
17	C	21											
	C	25	25.0	FPAS25	FPAL25			FPR25					FPP25
23	F	28	28.5	FPAS28	FPAL28								FPP28
23	C	28				FAH28	FPAS28C	FPR28	FPADS28	FPI28	FPIH28	FPIHR28	
29	C	34	34.5	FPAS34	FPAL34	FAH34	FPAS34C	FPR34	FPADS34	FPI34	FPIH34	FPIHR34	FPP34
29	F	34		FPAS34F									
36	C	42	42.5	FPAS42	FPAL42	FAH42	FPAS42C	FPR42	FPADS42	FPI42	FPIH42	FPIHR42	FPP42
36	C	42											
48	C	54	54.5	FPAS54	FPAL54	FAH54	FPAS54C	FPR54	FPADS54	FPI54	FPIH54	FPIHR54	FPP54
48	C	54											
56	C	67	67.0	FPAS67	FPAL67		FPAS67C	FPR67		FPI67	FPIH67	FPIHR67	FPP67



FPA system nylon

Construction: Nylon (PA66) moulded fittings.

FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread. Colour: Black or Grey.

FPA	FPA	FPA	FPA90
straight external thread One piece, fast fit, external threaded fitting. Suitable for knockouts or threaded entries.	straight UNEF swivel internal thread One piece, fast fit fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.	flange One piece, fast fit fitting with nylon swivel flange with 'O' ring.	90° elbow external thread One piece, fast fit, external threaded 90 degree elbow fitting. Suitable for knockouts.
IP66	IP66	IP66	IP66

european (NW) sizes nominal size (mm) OD mm	FPA				FPA90	
	Ext Metric	Ext PG	Ext NPT	Ext UNEF Thread	Ext Flange	
7 10	FPA10-M12	FPA10-PG7			FPA10-M12-90 FPA10-PG7-90	
7 10	FPA10-M16	FPA10-PG9				
8 11	FPA11-M12	FPA11-PG7			FPA11-M12-90	
10 13	FPA13-M12	FPA13-PG7		FPA13-BU063 (5/8")	FPA13-M16-90 FPA13-PG9-90	
10 13	FPA13-M16	FPA13-PG9		FPA13-BU075 (3/4")		
10 13	FPA13-M20	FPA13-PG11		FPA13-BU088 (7/8")		
12 16	FPA16-M16	FPA16-PG9	FPA16-038	FPA16-BU075 (3/4")	FPA16-FL	FPA16-M16-90 FPA16-PG9-90 FPA16-050-90
12 16	FPA16-M20	FPA16-PG11	FPA16-050	FPA16-BU088 (7/8")		FPA16-M20-90 FPA16-PG11-90
12 16		FPA16-PG13		FPA16-BU100 (1")		FPA16-PG13-90
12 16		FPA16-PG16		FPA16-BU119 (1 3/16")		
14 18	FPA18-M20	FPA18-PG13				FPA18-M20-90
14 18						
20 20.0	FPA20-M20					FPA20-M20-90
17 21	FPA21-M20	FPA21-PG13	FPA21-050	FPA21-BU100 (1")	FPA21-FL	FPA21-M20-90 FPA21-PG16-90 FPA21-050-90
17 21	FPA21-M25	FPA21-PG16		FPA21-BU119 (1 3/16")		
17 21				FPA21-BU125 (1 1/4")		
25 25.0	FPA25-M25					FPA25-M25-90
23 28	FPA28-M25	FPA28-PG21	FPA28-075	FPA28-BU138 (1 3/8")	FPA28-FL	FPA28-M25-90 FPA28-PG21-90 FPA28-075-90
23 28	FPA28-M32	FPA28-PG29		FPA28-BU144 (1 1/16")		
29 34	FPA34-M32	FPA34-PG29	FPA34-100	FPA34-BU144 (1 1/16")	FPA34-FL	FPA34-M32-90 FPA34-PG29-90 FPA34-100-90
29 34	FPA34-M40			FPA34-BU175 (1 1/4")		
36 42	FPA42-M40	FPA42-PG36	FPA42-125	FPA42-BU200 (2")	FPA42-FL	FPA42-M40-90 FPA42-PG36-90 FPA42-125-90
36 42	FPA42-M50		FPA42-150	FPA42-BU225 (2 1/4")		FPA42-M50-90 FPA42-150-90
48 54	FPA54-M50	FPA54-PG42	FPA54-150	FPA54-BU200 (2")		FPA54-M50-90 FPA54-PG48-90 FPA54-150-90
48 54	FPA54-M63	FPA54-PG48	FPA54-200	FPA54-BU225 (2 1/4")		FPA54-M63-90 FPA54-200-90
56 67	FPA67-M63	FPA67-PG48	FPA67-200			FPA67-M63-90 FPA67-PG48-90 FPA67-200-90

Properties

- 1 part fast fit
- IP rating: IP66
- Vibration & shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- Both 90° & 45° elbows incorporate swept bore to facilitate cable installation & protect cables when installed
- All round teeth give high pull off strength 70kg with FPAH21
- Suitable for fine and coarse pitch conduits
- Temperature range -50°C to +135°C
- Low Fire Hazard (LFH), see page 149
- Halogen, sulphur and phosphorus free
- Available in Black or Grey (RAL 7031)
- EN 45545 HL3 and NFPA compliant
- Nylon metric threads supplied with glass reinforced nylon locknut
- Face seal washers available on request - see page 128



FP45	FPA45	FPA	FPA90
90° elbow UNEF swivel internal thread One piece, fast fit, 90 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.	flange One piece, fast fit 90 degree elbow fitting with nylon swivel flange with 'O' ring face seal.	45° elbow external thread One piece, fast fit, external threaded 45 degree elbow fitting. Suitable for knockouts.	45° elbow UNEF swivel internal thread one piece, fast fit, 45 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.
IP66	IP66	IP66	IP66



90 Degree UNEF	Thread	90 Degree Flange	45 Degree Metric	45 Degree PG	45 Degree NPT	45 Degree UNEF	Thread
FPA13-BU063-90	(58")						
FPA13-BU075-90	(34")						
FPA13-BU088-90	(78")						
FPA16-BU075-90	(34")	FPA16-FL-90	FPA16-M20-45	FPA16-PG13-45	FPA16-050-45	FPA16-BU075-45	()
FPA16-BU088-90	(78")					FPA16-BU088-45	()
FPA16-BU100-90	(1")					FPA16-BU100-45	(1")
FPA16-BU119-90	(1316")					FPA16-BU119-45	(1316")
FPA21-BU100-90	(1")	FPA21-FL-90	FPA21-M20-45	FPA21-PG13-45	FPA21-050-45	FPA21-BU100-45	(1")
FPA21-BU119-90	(1316")			FPA21-PG16-45		FPA21-BU119-45	(1316")
FPA21-BU125-90	(114")					FPA21-BU125-45	(114")
FPA28-BU138-90	(138")	FPA28-FL-90	FPA28-M25-45	FPA28-PG21-45	FPA28-075-45	FPA28-BU138-45	(138")
FPA28-BU144-90	(176")					FPA28-BU144-45	(176")
FPA34-BU144-90	(176")	FPA34-FL-90	FPA34-M32-45	FPA34-PG29-45	FPA34-100-45	FPA34-BU144-45	(176")
FPA34-BU175-90	(134")					FPA34-BU175-45	(134")
FPA42-BU200-90	(2")	FPA42-FL-90	FPA42-M50-45	FPA42-PG36-45	FPA42-150-45	FPA42-BU200-45	(2")
FPA42-BU225-90	(214")					FPA42-BU225-45	(214")
FPA54-BU200-90	(2")	FPA54-FL-90"	FPA54-M50-45		FPA54-150-45	FPA54-BU200-45	(2")
FPA54-BU225-90	(214")					FPA54-BU225-45	(214")

europaen (NW) sites	nominal size (mm)	OD mm
10	10.0	7
10		7
11	11.5	8
13	13.0	10
13		10
16	15.8	12
16		12
16		12
16		12
18	18.5	14
18		14
20	20.0	
21	21.2	17
21		17
21		17
25	25.0	
28	28.5	23
28		23
34	34.5	29
34		29
34		29
42	42.5	36
42		36
54	54.5	48
54		48
67	67.0	56

Fittings



FPA system nylon

Construction: Nylon (PA66) moulded fittings.

FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread.

Colour: Black or Grey.



FPA 45	FPA FPA	FPA - MPC
flange One piece, fast fit 45 degree elbow fitting with nylon swivel flange with 'O' ring face seal.	coupler One piece, fast fit, coupler to join corrugated conduits. Also available in FPAX and	coupler One piece, fast fit, coupler to join corrugated conduit to rigid conduit.
IP66	IP66	IP66

european (NW) sizes
nominal size (mm)
OD mm



45 Degree Flange



Coupler



Rigid Conduit Coupler

7	10	10.0			
7	10				
8	11	11.5			
10	13	13.0			
10	13				
10	13				
12	16	15.8	FPA16-FL-45	FPA16-FPA16	FPA16-MPC16
12	16				
12	16				
12	16				
14	18	18.5			
14	18				
20	20.0			FPA20-FPA20	
17	21	21.2	FPA21-FL-45	FPA21-FPA21	FPA21-MPC20
17	21				
17	21				
25	25.0			FPA25-FPA25	
23	28	28.5	FPA28-FL-45	FPA28-FPA28	FPA28-MPC25
23	28				
29	34	34.5	FPA34-FL-45	FPA34-FPA34	FPA34-MPC32
29	34				
36	42	42.5	FPA42-FL-45	FPA42-FPA42	FPA42-MPC40
36	42				
48	54	54.5	FPA54-FL-45	FPA54-FPA54	
48	54				
56	67	67.0			

Properties

- part fast fit
- IP rating: IP66
- Vibration & shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- Both 90° & 45° elbows incorporate swept bore to facilitate cable installation & protect cables when installed

All round teeth give high pull off strength 70kg with FPAH21

- Suitable for fine and coarse pitch conduits
- Temperature range -50°C to +135°C
- Low Fire Hazard (LFH), see page 149
- Halogen, sulphur and phosphorus free
- Available in Black or Grey (RAL 7031)
- EN 45545 HL3 and
- NFPA compliant



FPA

straight swivel brass external thread

One piece, fast fit, swivel, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.

IP66

FPA

straight swivel brass internal thread

One piece, fast fit, swivel, nickel plated brass internal threaded fitting.

IP66

FPA90

90° elbow swivel brass external thread

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.

IP66



NPB Ext Metric

NPB Ext PG

NPB Int Metric

NPB Ext Metric

NPB Ext PG

FPA13-BM16	FPA13-BPG9	FPA13-BFM16	FPA13-BM16-90	FPA13-BPG9-90
FPA16-BM16	FPA16-BPG9	FPA16-BFM16	FPA16-BM16-90	FPA16-BPG9-90
FPA16-BM20	FPA16-BPG11	FPA16-BFM20	FPA16-BM20-90	FPA16-BPG11-90
FPA21-BM20	FPA21-BPG13 FPA21-BPG16	FPA21-BFM20	FPA21-BM20-90	FPA21-BPG13-90 FPA21-BPG16-90
FPA28-BM25	FPA28-BPG21	FPA28-BFM25	FPA28-BM25-90	FPA28-BPG21-90
FPA34-BM32	FPA34-BPG29	FPA34-BFM32	FPA34-BM32-90	FPA34-BPG29-90
FPA42-BM40	FPA42-BPG36	FPA42-BFM40	FPA42-BM40-90	FPA42-BPG36-90
FPA42-BM50			FPA42-BM50-90	
FPA54-BM50	FPA54-BPG48*	FPA54-BFM50	FPA54-BM50-90	FPA54-BPG48-90*
FPA54-BM63			FPA54-BM63-90	
FPA67-BM63				

pitch	OD mm	europaean (NW) sizes
10	10.0	7
10		7
11	11.5	8
13	13.0	10
13		10
13		10
16	15.8	12
16		12
16		12
16		12
18	18.5	14
18		14
20	20.0	
21	21.2	17
21		17
21		17
25	25.0	
28	28.5	23
28		23
34	34.5	29
34		29
42	42.5	36
42		36
54	54.5	48
54		48
67	67.0	56



FPA system brass threaded
Construction: Nylon (PA66) moulded fitting
 with nickel plated brass swivel thread.
Colour: Black or Grey.

FPA90

90° elbow swivel brass
 internal thread

One piece, fast fit, swivel, 90 degree
 elbow, nickel plated brass internal
 threaded fitting.

IP66

FPA45

45° elbow swivel brass
 external thread

One piece, fast fit, swivel, 45 degree
 elbow, nickel plated brass external
 threaded fitting.
 Suitable for knockouts or threaded entries.

IP66

FPA45

45° elbow swivel brass
 internal thread

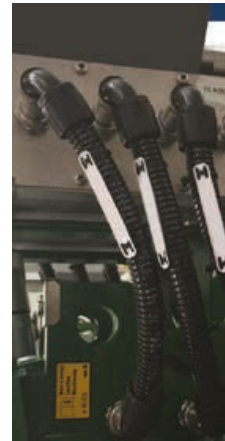
One piece, fast fit, swivel, 45 degree
 elbow, nickel plated brass internal
 threaded fitting.

IP66



pitch
 OD mm
 european (NW) sizes

		NPB Int Metric	NPB Ext Metric	NPB Ext PG	NPB Int Metric
7	10				
7	10				
8	11				
10	13	FPA13-BFM16-90			
10	13				
10	13				
12	16	FPA16-BFM16-90	FPA16-BM16-45	FPA16-BPG13-45	FPA16-BFM20-45
12	16	FPA16-BFM20-90	FPA16-BM20-45	FPA16-BPG16-45	
12	16				
12	16				
14	18				
14	18				
20	20.0				
17	21	FPA21-BFM20-90	FPA21-BM20-45	FPA21-BPG13-45	FPA21-BFM20-45
17	21			FPA21-BPG16-45	
17	21				
25	25.0				
23	28	FPA28-BFM25-90	FPA28-BM25-45	FPA28-BPG21-45	FPA28-BFM25-45
23	28				
29	34	FPA34-BFM32-90	FPA34-BM32-45	FPA34-BPG29-45	FPA34-BFM32-45
29	34				
36	42	FPA42-BFM50-90	FPA42-BM40-45	FPA42-BPG36-45	FPA42-BFM50-45
36	42		FPA42-BM50-45		
48	54	FPA54-BFM50-90	FPA54-BM50-45	FPA54-BPG48-45*	FPA54-BFM50-45
48	54		FPA54-BM63-45		
56	67				
56	67				



Properties

- part fast fit
- IP rating: of conduit & fitting: IP66 of cable gland: IP68 (10 bar)+IP69
- Vibration & shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90° and 45° elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range: conduit fitting: -50°C to +135°C cable gland: -40°C to +100°C static -20°C to +100°C dynamic
- Low Fire Hazard (LFH), see page 149
- Halogen, sulphur and phosphorus free
- Refer to accessories for clamping range page 129

FLEXICON
FLEXIBLE CONDUIT SOLUTIONS



FPA	FPA	FPA90
<p>cable gland One piece, fast fit, swivel, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.</p> <p>IP66</p>	<p>cable gland Non-metallic systems are typically lighter, easier to work with and more cost effective to install. With advances in material technologies non-metallic systems can provide an alternative solution where typically only metal systems had been considered previously.</p> <p>IP66</p>	<p>cable gland One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.</p> <p>IP66</p>



NPB Metric

NPB Metric

NPB Metric

			7	10.0	7
			7		7
			8	11.5	8
FPA13-BM16-CG	FPA13-BM16-CG-90		10	13.0	10
			10		10
			10		10
FPA16-BM16-CG	FPA16-BM16-CG-90	FPA16-BM20-CG-45	12	15.8	12
FPA16-BM20-CG	FPA16-BM20-CG-90		12		12
			12		12
			12		12
			14	18.5	14
			14		14
				20.0	
FPA21-BM20-CG	FPA21-BM20-CG-90	FPA21-BM20-CG-45	17	21.2	17
			17		17
			17		17
				25.0	
FPA28-BM25-CG	FPA28-BM25-CG-90	FPA28-BM25-CG-45	23	28.5	23
			23		23
FPA34-BM32-CG	FPA34-BM32-CG-90	FPA34-BM32-CG-45	29	34.5	29
			29		29
FPA42-BM40-CG	FPA42-BM40-CG-90	FPA42-BM40-CG-45	36	42.5	36
			36		36
FPA54-BM50-CG	FPA54-BM50-CG-90	FPA54-BM50-CG-45	48	54.5	48
			48		48



FSU & FNU system galvanised steel pvc or nylon coated

Conduit

FSU

Construction: Galvanised steel, helically wound, flexible conduit with pvc coating.
Colour: Black, Grey or Orange on request.*
Typical Applications: General factory wiring and connections to machines.

FNU

Construction: Galvanised steel, helically wound, flexible conduit with elastomeric nylon coating.
Colour: Black.
Typical Applications: Demanding applications requiring higher temperatures or solvent and abrasion resistance.

Fittings

M	S	P
fixed external thread nickel plated brass Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.	swivel external thread nickel plated brass Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.	plain hole connector nickel plated brass Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.
IP54	IP54	IP54



	FSU		FNU		outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number	
	Part number	reel length (m)	Part number	reel length (m)									
10	FSU10B+	25, 50			6.8	25		FSU10-M12-M	FSU10-PG7-M	FSU10-M12-S	FSU10-PG7-S	9	FSU10-P
12	FSU12B	25, 50			14.0	30		FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
16	FSU16B	10, 25, 50	FNU16B*	25	17.0	40		FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
16								FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S		
20	FSU20B	10, 25, 50	FNU20B*	25	21.5	45		FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
25	FSU25B	10, 25, 50	FNU25B*	25	26.0	55		FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
32	FSU32B	10, 25	FNU32B*	25	34.0	60		FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
40	FSU40B	10, 25			44.5	90		FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
50	FSU50B	10, 25			55.0	100		FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG42-S	51	FSU50-P
63	FSU63B	10			64.5	115		FSU63-M63-M		FSU63-M63-S		61	FSU63-P
75	FSU75B	10			79.0	150		FSU75-M75-M				75	FSU75-P

F	C	C-S	C90	Coupler	E
<p>fixed internal thread nickel plated brass</p> <p>Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.</p>	<p>plain hole connector nickel plated brass</p> <p>Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.</p>	<p>external thread nickel plated brass</p> <p>Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.</p>	<p>external thread elbow nickel plated brass</p> <p>Multipart 90° compression fitting including elastomeric seal.</p>	<p>external thread elbow nickel plated brass</p> <p>Multipart 90° compression fitting including elastomeric seal.</p>	<p>insert nickel plated brass</p> <p>Single part, machined insert to cap end of conduit.</p>
IP54	IP65	IP65	IP65	IP65	



metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
	FSU12-M16-C FSU12-PG9-C			FSU12-M16-C-S	FSU12-M16-C90	FSU16-FSU16	FSU12-E	12
FSU16-M16-F	FSU16-M16-C FSU16-PG11-C FSU16-050-C			FSU16-M16-C-S	FSU16-M16-C90		FSU16-E	16
FSU16-M20-F	FSU16-M20-C FSU16-PG13-C			FSU16-M20-C-S	FSU16-M20-C90	FSU20-FSU20	FSU16-E	16
FSU20-M20-F	FSU20-M20-C FSU20-PG16-C FSU20-050-C			FSU20-M20-C-S	FSU20-M20-C90	FSU25-FSU25	FSU20-E	20
FSU25-M25-F	FSU25-M25-C FSU25-PG21-C FSU25-075-C			FSU25-M25-C-S	FSU25-M25-C90	FSU32-FSU32	FSU25-E	25
FSU32-M32-F	FSU32-M32-C FSU32-PG29-C FSU32-100-C			FSU32-M32-C-S	FSU32-M32-C90		FSU32-E	32
FSU40-M40-F	FSU40-M40-C						FSU40-E	40
FSU50-M50-F	FSU50-M50-C						FSU50-E	50
FSU63-M63-F							FSU63-E	63
							FSU75-E	75

Standards



Technical Drawing





FU & SSU system galvanised steel and stainless steel

Conduit

FU

Construction: Galvanised steel, helically wound, flexible conduit.
Colour: Zinc, self colour.
Typical Applications: Underfloor wiring in office blocks inherent low fire hazard applications typically interior applications due to IP40 rating.

SSU

Construction: Stainless steel (grade 316L), helically wound, flexible conduit.
Colour: Stainless steel, self colour.
Typical Applications: Instrumentation and security or where enhanced corrosion performance is required.

LOW FIRE HAZARD



Fittings

M	M-SS	S
fixed external thread nickel plated brass Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.	fixed external thread stainless steel Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.	swivel external thread nickel plated brass Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.
IP40	IP40	IP40



nominal size (mm)	FU		SSU		outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	PG thread part number		metric thread part number		metric thread part number	
	Part number	reel length (m)	Part number	reel length (m)				PG thread part number	metric thread part number	metric thread part number	PG thread part number		
10	FU10+	2,550	SSU10+	102,550	9.0	6.8	25	FU10-M12-M	FU10-PG7-M	SSU10-M12-M	FU10-M12-S	FU10-PG7-S	
12	FU12	2,550	SSU12+	102,550	13.0	10.2	30*	FU12-M16-M	FU12-PG9-M	SSU12-M16-M	FU12-M16-S	FU12-PG9-S	
16	FU16	102,550	SSU16	102,550	16.0	13.0	40	FU16-M16-M	FU16-PG11-M	SSU16-M16-M	FU16-M16-S	FU16-PG11-S	
16								FU16-M20-M			FU16-M20-S	FU16-PG13-S	
20	FU20	102,550	SSU20	1,025	20.5	16.9	45	FU20-M20-M	FU20-PG16-M	SSU20-M20-M	FU20-M20-S	FU20-PG16-S	
25	FU25	102,550	SSU25	1,025	25.0	21.1	55	FU25-M25-M	FU25-PG21-M	SSU25-M25-M	FU25-M25-S	FU25-PG21-S	
32	FU32	1,025	SSU32	1,025	32.0	28.1	60	FU32-M32-M	FU32-PG29-M	SSU32-M32-M	FU32-M32-S	FU32-PG29-S	
40	FU40	1,025	SSU40	10	42.5	37.6	80	FU40-M40-M	FU40-PG36-M	SSU40-M40-M	FU40-M40-S	FU40-PG36-S	
50	FU50	1,025	SSU50	10	53.0	48.4	90	FU50-M50-M	FU50-PG48-M	SSU50-M50-M	FU50-M50-S	FU50-PG42-S	
63	FU63	10	SSU63*	10	62.5	57.5	115	FU63-M63-M		SSU63-M63-M*	FU63-M63-S		
75	FU75	10			77.0	70.0	150	FU75-M75-M					

Properties

- High mechanical strength
- Highly flexible
- Inherently Low Fire Hazard (LFH)
- Fully compliant to LUL Std S1085 (Cert No. 296)
- Temperature range
 - 100°C to +300°C (FU)
 - 100°C to +600°C (SSU + SS fittings)
 - 100°C to +400°C (SSU + NPB fittings)
- IP rating: IP40
- SSU is highly corrosion resistant
- Nickel plated brass fittings
- Stainless steel (316L) fittings
- EN 45545 HL3 and NFPA130 compliant



S-SS	P	F	FCC	90° elbow
swivel external thread stainless steel Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.	plain hole connector nickel plated brass Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.	external thread nickel plated brass Two part fitting comprising shell and body with internal thread which can be used to connect with an external thread.	plated steel P clip with pvc liner and secure stainless steel P clips P clip to support and secure conduit.	internal and external threaded nickel plated brass elbow 90° elbow which can be screwed onto external threaded fittings to create a 90° elbow termination.
IP40	IP40	IP40		



metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	part number	part number	nominal size (mm)
SSU10-M12-S	9	FU10-P		FCC10	FCC10-SS*	BM90-PG7*	10
SSU12-M16-S	12	FU12-P		FCC12	FCC12-SS	BM90-16M	11
SSU16-M16-S	16	FU16-P	FU16-M16-F	FCC16	FCC16-SS	BM90-16M	13
			FU16-M20-F	FCC16	FCC16-SS	BM90-20M	13
SSU20-M20-S	20	FU20-P	FU20-M20-F	FCC20	FCC20-SS	BM90-20M	16
SSU25-M25-S	25	FU25-P	FU25-M25-F	FCC25	FCC25-SS	BM90-25M	18
SSU32-M32-S	32	FU32-P	FU32-M32-F	FCC32	FCC32-SS	BM90-32M	20
	40	FU40-P	FU40-M40-F	FCC40	FCC40-SS	BM90-40M	21
	51	FU50-P	FU50-M50-F	FCC50	FCC50-SS	BM90-50M	25
	61	FU63-P		FCC63	FCC63-SS*		28
	75	FU75-P		FCC75			34

Also available in a Contractor Pack

Standards



Technical Drawing



LFHU system galvanised steel LFH coated FPU system galvanised steel polyurethane coated




Conduit

LFHU



Construction: Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating. Colour: Black. Typical Applications: Public and commercial buildings and tunnels where low fire hazard performance is a requirement.

FPU



Construction: Galvanised steel, helically wound, flexible steel conduit with low temperature, high abrasion, high fatigue life halogen free polyurethane coating. Colour: Black and Metallic Blue. Typical Applications: Where low temperature and mechanical strength are important.

Fittings

M	S	P
<p>fixed external thread nickel plated brass</p> <p>Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.</p>	<p>swivel external thread nickel plated brass</p> <p>Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.</p>	<p>plain hole connector nickel plated brass</p> <p>Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.</p>
IP54	IP54	IP54



nominal size (mm)	LFHU			FPU			min inside bend radius (mm)	PG thread part number		metric thread part number		metric thread part number	PG thread part number
	Part number	reel length (m)	Part number	reel length (m)	outside dia (mm)	inside dia (mm)							
12	LFHU12B* 25	FPU12B* 25	25	14.0	6.8	30	FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P	
16	LFHU16B 2,550	FPU16B 25	25	17.0	10.2	40	FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P	
16						13.0	FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S			
20	LFHU20B 102,550	FPU20B 2,550	2,550	21.5		45	FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P	
25	LFHU25B 102,550	FPU25B 2,550	2,550	26.0	16.9	55	FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P	
32	LFHU32B 1,025	FPU32B 25	25	34.0	21.1	80	FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P	
40	LFHU40B 1,025	FPU40B* 10	10	44.5	28.1	90	FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P	
50	LFHU50B 1,025	FPU50B* 10	10	55.0	37.6	100	FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG42-S	51	FSU50-P	
63	LFHU63B 10	FPU63B* 10	10	64.5	48.4	115	FSU63-M63-M		FSU63-M63-S		61	FSU63-P	
75	LFHU75B 10	FPU75B* 10	10	79.0	57.5	150	FSU75-M75-M				75	FSU75-P	
						70.0							

Metallic Conduits

Liquid Tight Conduits range

LTP	LTPAS	LTPHC	LTPLFH
<p>Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature PVC cover.</p> <p>Colour: Black. Grey or Orange on request</p> <p>Typical Applications: High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration such as external car park barriers and systems.</p> <p>Special Characteristics: Oil resistant and self extinguishing.</p> <ul style="list-style-type: none"> • High mechanical strength • IP rating: IP66 + IP67 + IP68 (5 bar) + IP69 • Smooth, wipe clean outer cover • Cover does not wrinkle when bent • Temperature range -20°C to +105°C • Good flexibility • Lloyd's Register Type Approval • Resistant to oils and greases • Vibration and shock tested to EN61373 Cat 2 • Black, Grey and Orange are UV resistant and suitable for external use • Also available as a Hygienic version with a coating manufactured from FDA approved ingredients - see page 112 	<p>Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature PVC cover.</p> <p>Colour: Black. Grey on request</p> <p>Typical Applications: High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration.</p> <p>Special Characteristics: Oil resistant and self extinguishing. LTPAS As per LTP but with an anti-static performance coating.</p> <ul style="list-style-type: none"> • High mechanical strength • IP rating: IP66 + IP67 + IP68 (5 bar) + IP69 • Smooth, wipe clean outer cover • Cover does not wrinkle when bent • Temperature range -20°C to +105°C • Good flexibility • UV resistant (black) and suitable for external use • Anti-Static performance coating to EN60079-0 • Resistant to oils and greases • Vibration and shock tested to EN61373 Cat 2 	<p>Construction: Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover.</p> <p>Colour: Black</p> <p>Typical Applications: High mechanical strength combined with high and low temperature performance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration.</p> <p>Special Characteristics: Wide temperature range performance. Good flexibility at low and high temperatures.</p> <ul style="list-style-type: none"> • High mechanical strength • IP rating: IP66 + IP67 + IP68 (5 bar) + IP69 • Smooth, wipe clean outer cover • Cover does not wrinkle when bent • Temperature range -60°C to +150°C • Good flexibility • UV resistant (black) and suitable for external use • Resistant to oils and greases • Vibration and shock tested to EN61373 Cat 2 	<p>Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover.</p> <p>Colour: Black</p> <p>Typical Applications: High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for internal and external applications where fire performance is a requirement.</p> <p>APR 2020. Special Characteristics: As per LTP but where Extra Low Fire Hazard performance is required.</p> <ul style="list-style-type: none"> • High mechanical strength • IP rating: IP66 + IP67 + IP68 (5 bar) + IP69 • Smooth, wipe clean outer cover • Cover does not wrinkle when bent • Temperature range -25°C to +90°C (LTPLFH) • Good flexibility • UV resistant (black) and suitable for external use • Resistant to oils and greases • EXTRA Low Fire Hazard UL94 V0 (for LFH see page 148) • Compliant to LUL Std S1085 (LTPLFH) Cert No. 2020 • EN 45545 to HL3 and NFPA130 compliant • Vibration and shock tested to EN61373 Cat 2

hole size (mm)	outside dia (mm)	US trade size (")	inside dia (mm)	LTP			LTPAS			LTPHC			LTPLFH		
				Part number	reel length (m)	min inside bend radius (mm)	Part number	reel length (m)	min inside bend radius (mm)	Part number	reel length (m)	min inside bend radius (mm)	Part number	reel length (m)	min inside bend radius (mm)
10	14	11.8	7.0	LTP10B+	50	35									
10															
12	516	14.2	10.0	LTP12B	2,550	40			LTPHC12B+	25	40				
16	38	17.8	12.6	LTP16B	102,550	45	LTPAS16B*	25	45	LTPHC16B	25	45	LTPLFH16B	25	60
16															
20	12	211	16.0	LTP20B	102,550	65	LTPAS20B*	25	65	LTPHC20B	25	65	LTPLFH20B	25	100
25	34	26.4	21.0	LTP25B	102,550	100	LTPAS25B*	25	100	LTPHC25B	25	100	LTPLFH25B	25	130
32	1	33.1	26.5	LTP32B	102,550	135	LTPAS32B*	25	135	LTPHC32B	25	135	LTPLFH32B	10	180
40	114	41.8	35.4	LTP40B	1,025	175	LTPAS40B*	10	175	LTPHC40B	10	175			
50	112	47.9	40.4	LTP50B+	1,025	230	LTPAS50B**	10	230	LTPHC50B+	10	230			
63	2	59.7	51.6	LTP63B+	1,025	280	LTPAS63B**	10	280	LTPHC63B+	10	280			

Metallic Conduits

Nickel Plated Brass Fittings



C	C-S	C-F	C-SF
<p>external thread nickel plated brass Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.</p>	<p>swivel external thread nickel plated brass Compression fitting for knockout or threaded entries. Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.</p>	<p>internal thread nickel plated brass Multi part compression fitting including elastomeric seal to connect with an external thread.</p>	<p>swivel internal thread nickel plated brass Multi part compression fitting including elastomeric seal. Swivel internal thread makes it suitable for connection to male threads. Internal thread swivels about the main body even after tightening.</p>



hole size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	metric thread part number	for PG thread size	for NPT thread size	metric thread part number	metric thread part number	metric thread part number
10	14	11.8	7.0	LTP10-M12-C	PG7		LTP12-M16-S		
10				LTP10-M16-C			LTP16-M16-S		
12	5/16	14.2	10.0	LTP12-M16-C	PG9		LTP16-M20-S		
16	3/8	17.8	12.6	LTP16-M16-C	PG11	050 (1/2")	LTP20-M20-S	LTP20-M20-F	
16				LTP16-M20-C	PG13	050 (1/2")	LTP25-M25-S	LTP25-M25-F	LTP16-M20-SF
20	1/2	21.1	16.0	LTP20-M20-C	PG16	050 (1/2")	LTP32-M32-S	LTP32-M32-F	LTP20-M20-SF
25	3/4	26.4	21.0	LTP25-M25-C	PG21	075 (3/4")	LTP40-M40-S	LTP40-M40-F	LTP25-M25-SF
32	1	33.1	26.5	LTP32-M32-C	PG29	100 (1")	LTP50-M50-S	LTP50-M50-F	
40	1 1/4	41.8	35.4	LTP40-M40-C	PG36	125 (1 1/4")			
50	1 1/2	47.9	40.4	LTP50-M50-C	PG42	150 (1 1/2")			
63	2	59.7	51.6	LTP63-M63-C	PG48	200 (2")			

CONDUIT



C90	C45	Coupler	FW	E
external thread elbow nickel plated brass 90° multipart compression fitting including elastomeric seal. Can be used for knockouts.	external thread nickel plated brass 45° multipart compression fitting including elastomeric seal. Can be used for knockouts.	nickel plated brass Multi part compression coupler including elastomeric seals to connect with an external thread.	fibre, retained face sealing washers Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	insert nickel plated brass Single part, machined insert to cap end of conduit.

IP66	IP67	IP68	IP69	IP66	IP67	IP68	IP69	IP66	IP67	IP68	IP69	IP66	IP67	IP68	IP69
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------



metric thread part number



metric thread part number



Part number



Part number



inside dia (mm)
US trade size (")
outside dia (mm)
hole size (mm)

				LTP10-E	7.0	11.8	14	10	
				LTP10-E				10	
LTP12-M16-C90				LTP12-E	10.0	14.2	5/16	12	
LTP16-M16-C90				LTP16-E	12.6	17.8	3/8	16	
LTP16-M20-C90	LTP16-M20-C45	LTP16-LTP16	FW16	LTP16-E				16	
LTP20-M20-C90	LTP20-M20-C45	LTP20-LTP20	FW20	LTP20-E	16.0	21.1	1/2	20	
LTP25-M25-C90	LTP25-M25-C45	LTP25-LTP25	FW25	LTP25-E	21.0	26.4	3/4	25	
LTP32-M32-C90	LTP32-M32-C45	LTP32-LTP32	FW32	LTP32-E	26.5	33.1	1	32	
LTP40-M40-C90	LTP40-M40-C45	LTP40-LTP40	FW40	LTP40-E	35.4	41.8	1 1/4	40	
LTP50-M50-C90	LTP50-M50-C45		FW50	LTP50-E	40.4	47.9	1 1/2	50	
LTP63-M63-C90	LTP63-M63-C45		FW63	LTP63-E	51.6	59.7	2	63	

Standards



Technical Drawing



KOPEX

Conduit Systems & Accessories

Contact for more information

LT-PVC - General Flexible



150 Series - Straight Connector



KF-F Straight



KF-E Fixed - For uncovered conduit



KF-F Straight



KEBF - PVC Covered Steel



Combined Conduit Clip



KEU - Galvanised Steel





Cabling Equipment

This is our 3 Tonne capacity single capstan winch and is a great asset to any Multi Utility business. It is fitted with a free spooling payout system which makes it a one man only operation. The unit is fitted with a pull load indicator with read out via dial gauge.



Part no: FW3000

Technical Specification

Power Unit: Diesel Engine rated at 13Kw at 3600rpm.

Main Drive System: Single Capstan.

Rewind Drum Drive: Hydraulic driven for rope tension.

Cable Pay Out: Free Spooling.

Pull Load Indicator: Dial gauge for pressure/tonnes pull.

Oil Cooler: Fitted with thermostatic fan.

Rewind Drum: 400mtrs x 10mm dia rope capacity (max).

Rope Layering: Free moving layering arm (mounted under rewind drum).

Rope Pull/Speed: 0.5 tonne - 30mtr/min | 1.5 tonne - 22mtr/min
3.0 tonne - 7mtr/min

Cable Drum Lifting Jacks Hydraulic Jacks

Lightweight hydraulic drum jacks which are almost indispensable for use in the cable yard. Versatile and easily adjustable within seconds to accommodate a vast range of drums. Excellent all round stability, fitted with wheels to be easily moved by one person. Supplied complete with spindle and collars. (Refer Below) Paint finish.

Model	Capacity/pair	Min Drum Dia	Max Drum Dia	Base Area	Weight/pair
HJ3	3 Tonnes SWL	800mm	2500mm	830x700mm	106Kg
HJ6	6 Tonnes SWL	880mm	3000mm	900x765mm	118Kg
HJ10	10 Tonnes SWL	1080mm	3500mm	1060x985mm	180Kg



Jack Towers

Designed for heavy drum lifts. Robust engineered construction with hydraulic jacks and adjustable height spindle support blocks. (Spindle/collars not included - Refer Below) Paint finish.

Model	Capacity/pair	Min Drum Dia	Max Drum Dia	Base Area	Weight/pair
JT20	20 Tonne	1480mm	3400mm	1830x285mm	370Kg
JT20L	20 Tonne	2360mm	3400mm	1830x760mm	425Kg
JT30	30 Tonne	3000mm	4500mm	2000x800mm	660Kg



The JT20L unit is equipped with an extra outrigger leg for more stability on uneven ground

Screw Jacks

A range of Cable Drum Jacks easy to handle and simple operation. Base plate designed to give stability even on soft ground. (Spindle/Collars not included - Refer Below) Paint finish

Model	Capacity/pair	Min Drum Dia	Max Drum Dia	Base Area	Weight/pair
SJ3	3 Tonne	1060mm	1600mm	300x300mm	37Kg
SJ6	6 Tonne	1360mm	1900mm	460x300mm	45Kg
SJ8	8 Tonne	1660mm	2200mm	600x300mm	76Kg



Jack Plinth

Cable drums are increasingly becoming larger but not necessarily heavier. Common practice is to build up the jacks with sleepers, or wood blocks – not recommended- Jack Plinths give an additional 300mm lift safely. Paint finish.

Model	Capacity/pair	Min Drum Dia	Max Drum Dia	Base Area	Weight/pair
JP368	1200mm	320mm	300mm	60Kg	37Kg





Cable Rollers - Trench Application

Straight Line

TRP76 Narrow Roller

Designed for use in narrow trenches. Lightweight assembly suitable for cables up to 76mm dia. Zinc plated steel frame fitted with large waisted solid aluminium roller running on low friction sintered bushes.

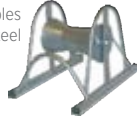
Base size: 320mm x 145mm. Weight: 2.75Kgs



HSP125 Roller - Heavy Duty

All Zinc plated heavy duty assembly suitable for cables up to 125mm dia. Steel frame fitted large waisted steel roller running on sealed ball bearings.

Base size: 350mm x 230mm. Weight: 4Kgs



HBSP125 Bridge Roller - Heavy Duty

Generally as per the HSP125 Roller but with the added facility of being able to place same over a cable up to 90mm already laid in the trench.

Base size: 350mm x 230mm. Weight: 4.5Kgs



Corner Rollers

CR1 Angle Corner Roller

Purpose designed for taking the heaviest cables round difficult corners and bends. Incorporates a vertical and horizontal roller 75mm diameter on low friction sintered bushes. Stake pins are provided to link rollers together into a continuous assembly on right angle bends. Paint finish.

Height: 300mm Width: 160mm Length: 280mm
Weight: 9.0Kgs



CR2 Skid Roller

Incorporates a horizontal steel roller 75mm dia running on low friction sintered bushes with back skid plate for corner work. Can be used singly or linked together with stake pins provided to form a continuous run. Paint finish.

Height: 300mm Width: 230mm Length: 330mm
Weight: 8.0Kgs



CR4 Triple Corner Roller

All zinc plated finish and using two vertical and one horizontal steel rollers identical to HSP125 for taking the heaviest cables round difficult corners. The assembly is of a robust construction for use in the most arduous conditions and can be linked together with stake pins provided to form a continuous corner roller system.

Height: 295mm Width: 290mm Length: 540mm Weight: 12Kgs

Cable Rollers

CR5 Horizontal Roller

Two horizontal rollers with quick release gate opening to allow easy entry and removal of cables up to 125mm diameter. Paint finish.

Height: 400mm Width: 260mm Length: 250mm Weight: 13Kgs



CR6 Vertical Roller

Nine vertical steel rollers each running in roller bearings and mounted in a heavy duty steel frame. Paint finish.

Height: 310mm Width: 90mm Length: 830mm
Weight: 14Kgs

Note: These rollers are used in conjunction with CR5 as per the photograph and where large diameter cables have a limited bend radius.



SP1 Skid Plate

Can be used with the CR2 Skid Roller as an alternative to the CR5 / CR6 Corner Roller system. Paint finish.

Height: 300mm Width: 100mm Length: 920mm
Weight: 7Kgs



DR1 Draw Off Roller

To lead the cable directly from the drum into the trench. 75mm diameter steel tube roller on low friction sintered bushes.

All mounted to heavy duty angle steel base. Paint finish.

Height: 220mm Width: 178mm
Length: 1066mm Weight: 14Kgs



VR1 Roller Assembly

A guide roller in front of the drum which centralizes the cable from the drum into the trench. Sealed roller bearings fitted in steel roller. Mounted in heavy duty steel frame. All zinc plated finish.

Height: 360mm Width: 500mm
Length: 890mm Weight: 17Kgs



SR5 Suspension Roller

To enable cables to be winched and suspended in high buildings prior to being positioned on gantries, beams etc. Zinc plated finish.

Height: 404mm Width: 240mm Length: 210mm
Weight: 3kgs



HSR5 Heavy Duty Suspension Roller

To take initial strain on the heaviest cables where they are lifted from the floor and onto cable trunking. The roller is suspended from a cross beam or similar in front of the trunking. Large waisted steel roller running on sealing ball bearings. Paint finish.

Height: 430mm Width: 120mm Length: 250mm Weight: 9kgs





Data Sheet Product Code: MJP120

Product Description: 2-Way Push-on Push-off LED Replacement Dimmer Module Kit 1 x 0-120W (1-10 LEDs)

Range: Module

Product Category: V-Pro Module Barcode: 5021575960365

Dimensions: 52x26x42mm
Product Weight: 40g
Fixing Centres: N/A
Recommended Back Box Depth: 35mm
Operating Voltage: 220/250V AC
Maximum Load Rating: LED: 120W (Halogen; 200W) Maximum Current Rating: 1.09A
Terminal (Live) Diameter: 3.2mm; Capacity: 3 x 1.5mm²

Intended Applications: Indoor Use Only. Domestic lighting circuits.

Safety Advice: Not suitable for use with wire-wound or toroidal transformers or electric motors. Do not overload.

Applicable Safety Standard: BS EN 60669-2-1
Commodity Code: 85365007

All information is subject to change without notice. Errors and omissions excepted. Images are for illustrative purposes only. Individual features and colours may vary. Refer to date of issue to identify latest version. Date of Issue: 07th January 2018 © Doyle & Tratt Products Ltd, Caryls Lea, Faygate, West Sussex, RH12 4SJ, United Kingdom. All rights reserved.



Product Features

- To replace dimmer modules in an already existing product
- V-Pro intelligent dimming technology
- Soft start feature and intelligent overload protection
- Adjustable minimum brightness setting and choice of driving modes

10 YEAR GUARANTEE



Bentech own a range of Export Dimmers

Dimmers



BTC
 BENTECH UK
 LIMITED
 Power by Varilight

Part No	Description	Rating	Finishing	Features	Certification
BTC-EG9	1 OR 2 Way 1000W Dimmer Switch - Export Dimmer	200W to 1000W	Georgian brass	Flame retardant rear enclosure	BS 5518
BTC-EQ9W	1 Gang 1 or 2 Way 1000W Export Dimmer Switch	200W to 1000W	White Plastic	Durable White Plastic faceplate Flame retardant rear enclosure	BS 5518
BTC-EQ10W	1 Gang 1 Way 500W Fan Regulator / Dimmer For Export	40W to 500W	White Plastic	Durable White Plastic faceplate Flame retardant rear enclosure	BS 5518
BTC-IVP701	1 Gang 1 or 2 Way 700W Dimmer Switch	1 x 700W VA	Victorian Brass	Flame retardant rear enclosure	BS 5518
BTC-EQ9RW	1 Gang 1 Way 1000W Dimmer Switch	200W to 1000W		Flame retardant rear enclosure	

Synergy™

British standard socket outlets and RCD sockets - white



7 300 65



7 300 60



7 300 70



6 781 33





6 781 38


Front plates: white thermostat
Terminal screws captive and backed off ready for cabling - large angled terminal entries
Compact mechanism for maximised wiring space
Supplied with faceplate screw caps


**ALSO AVAILABLE IN
“BRUSHED STAINLESS STEEL”**

Cat.Nos


7 300 65  **Unswitched - 1 gang**
Nominal plate dimensions: 86 x 86 mm

7 300 75  **2 gang**
Nominal plate dimensions: 86 x 146 mm

7 300 66  **Single pole - switched - 1 gang**
Nominal plate dimensions: 86 x 86 mm


7 300 76  **2 gang**
Nominal plate dimensions: 86 x 146 mm


Socket outlets 13 A - 250 VA Special earth pin
With safety shutter mechanism
For flush-mounting, back box

7 300 67  **Double pole - switched
1 gang**
Nominal plate dimensions: 86 x 86 mm


7 300 77  **2 gang**
Nominal plate dimensions: 86 x 146 mm


Double pole socket outlets 13 A - 250 VA
Conform to BS 1363: Part. 2 With safety shutter mechanism For
flush-mounting, back box to be min. 25 mm deep ASTA licence

7 300 60  **Double pole - switched
1 gang**
Nominal plate dimensions: 86 x 86 mm

7 300 70  **2 gang**
Nominal plate dimensions: 86 x 146 mm

Switched with red LED power indicator
LED invisible until activated

7 300 61  **1 gang**
Nominal plate dimensions: 86 x 86 mm


7 300 71  **2 gang**
Nominal plate dimensions: 86 x 146 mm


Cat.Nos


**Double pole socket outlets
13 A - 250 VA (continued)**


Conform to BS 1363: Part. 2 With safety shutter
mechanism For flush-mounting, back box to be
min. 25 mm deep ASTA licence

Switched for standard and clean earth applications

7 300 64  **Unswitched - 1 gang**
Nominal plate dimensions: 86
x 86 mm

7 300 74  **2 gang**
Nominal plate dimensions: 86
x 146 mm

7 301 62  **Single pole - switched - 1 gang**
Nominal plate dimensions: 86
x 86 mm


7 301 61  **2 gang**
Nominal plate dimensions: 86
x 146 mm

RCD sockets 13 A - 250 V±

Conform to BS 7288: 1990 and BS 1363 - Part 2: 1995 Conventional
earth pin release shutter Maximum operating current
16 A Electronic RCD module with a membrane switch for "test
and reset" Flush mounting back box : min. 25 mm deep

ELO - DP 30 mA

Trips in the event of a power failure
Ideal for applications where it is desirable to prevent
automatic reactivation of equipment after a power failure For
hazardous, e.g. machinery, power tools

6 781 33  **Double pole - switched
1 gang** Nominal plate dimensions:
86 x 86 mm

6 781 37  **2 gang**
Nominal plate dimensions: 86 x
146 mm

6 781 34  **1 gang** Nominal plate dimensions:
86 x 86 mm

6 781 38  **2 gang** Nominal plate dimensions:
86 x 146 mm



LOGIC PLUS RANGE

WITH OUTBOARD ROCKERS | FLUSH | 13 AMP



K2746WHI
K2746GRA

2 GANG DP
WITH OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS



K2476WHI
K2476GRA

2 GANG DP
WITH OUTBOARD
ROCKERS AND 'CLEAN
EARTH' FACILITY



K2746D1WHI
K2746D1RED

2 GANG DP
WITH RED OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS



K2746D2WHI

2 GANG DP
WITH GREEN OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS
WITH OUTBOARD

RCD PROTECTED | FLUSH | 13 AMP



K6231WHI
2 GANG SP
30mA RATED TRIPPING
CURRENT ACTIVE
CONTROL CIRCUIT



K6300WHI
1 GANG SP
30mA RATED TRIPPING
CURRENT ACTIVE
CONTROL CIRCUIT



K6233WHI
2 GANG SP
30mA RATED TRIPPING
CURRENT PASSIVE
CONTROL CIRCUIT



K6303WHI
1 GANG SP
30mA RATED TRIPPING
CURRENT PASSIVE
CONTROL CIRCUIT

FILTERED | FLUSH | 13 AMP



K1816WHI
2 GANG DP
SPIKE

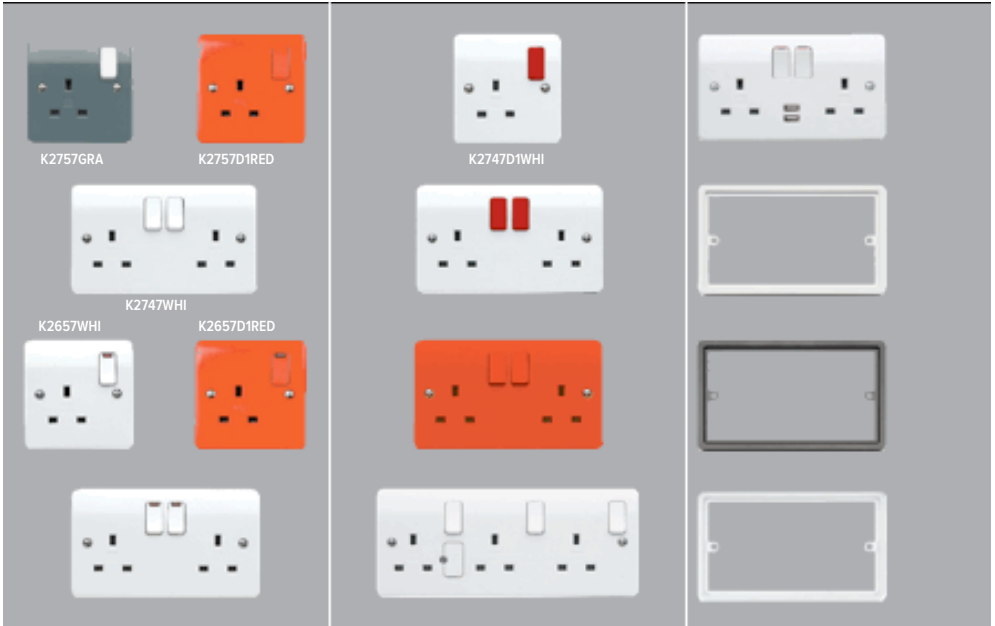


K1826WHI
2 GANG DP
SPIKE AND RFI



Switch Socket Outlets

FLUSH 13 AMP



K2757WHI
K2757GRA
1 GANG DP
WITH DUAL EARTH TERMINALS

K2757D1RED
1GANG DP
WITH RED FRONTPLATE, RED ROCKER AND DUAL EARTH TERMINALS
K2747WHI
2GANG DP
K2657WHI
K2657GRA
1 GANG DP WITH NEON
AND DUAL EARTH TERMINALS
K2657D1RED
1GANG DP
WITH RED FRONTPLATE, RED ROCKER, NEON AND DUAL EARTH TERMINALS
K2647WHI
2GANG DP WITH NEONS

K2757D1WHI
1 GANG DP
WITH RED ROCKER
AND DUAL EARTH TERMINALS
K2757D2WHI
1GANG DP
WITH GREEN ROCKER AND DUAL EARTH TERMINALS
K2747D1WHI
2GANG DP
WITH RED ROCKERS
K2747D1RED
2 GANG DP
WITH RED FRONTPLATE AND RED ROCKERS
K2737WHI
3 GANG DP
WITH DUAL EARTH TERMINALS

K2743WHI
K2743GRA
2 GANG DP WITH 2 X USB CHARGING PORTS
AND DUAL EARTH TERMINALS
K1000WHI
2 GANG 10MM WHITE PATRESS
K1000BLK
2 GANG 10MM BLACK PATRESS
K1000CLR
2 GANG 10MM CLEAR PATRESS

Bentech supply a wide range of Schneider Electrical Switches and Electrical Sockets



Ultimate Screwless Flat Plate

Socket outlets

A high quality range of screwless flat plate switched socket outlets designed for both residential and commercial installations. This family of products benefits from all of the design features of the Ultimate Screwless range such as an ultra slim plate profile and sophisticated aesthetic, as well as multiple installation-friendly aspects.



Ultimate Flat Plate

Socket outlets

A high quality range of flat plate switched socket outlets designed for both residential and commercial installations. This family of products benefits from all of the design features of the Ultimate Flat Plate range such as a beautifully sleek design and high quality materials, as well as multiple installation-friendly aspects.



Ultimate Slimline

Socket outlets

A high quality range of slimline white moulded accessories designed for both residential and commercial installations.



Lisse

Socket outlets

A high quality range of white moulded switched socket outlets designed for both residential and commercial installations. This family of products benefits from all of the design features of the Lisse curved white moulded range such as time and space saving solutions, as well as a comprehensive array of installation-friendly aspects. All 2 gang socket outlets include twin earth terminals as standard, enabling high integrity earthing.



APPLEBY

APPLEBY Installation Boxes



FLUSH STEEL BOXES

BS 4662 WHERE APPLICABLE

PACK QTY LIST No.

1 GANG

16mm	1x adjustable lug, 3 fixed lugs with smooth cable entry hole and knockouts	20	SB623
25mm	1x adjustable lug, 3 fixed lugs with 12 x 20mm knockouts	10	SB655
28mm	Architrave box fixed lugs, with 16mm knockouts	10	9257
35mm	1x adjustable lug, 3 fixed lugs with 12 x 20mm knockouts	10	SB615
47mm	1x adjustable lug, 3 fixed lugs with 1 x 25mm knockouts	5	SB618

Dimensions

16mm	70mm x 70mm x 16mm
25mm	68.3mm x 68.3mm x 25mm
28mm	Architrave 26.5mm x 73mm x 28mm
35mm	68.3mm x 68.3mm x 35mm
47mm	68.3mm x 68.3mm x 47mm

2 GANG

16mm	1x adjustable lug, 1x fixed lug with knockouts for grommet entry	20	SB633
25mm	1x adjustable lug, 1x fixed lug with 16 x 20mm knockouts	5	SB665
25mm	Dual box, fixed lugs, for two 1 gang size accessories with 16 x 20mm knockouts	5	SB676
28mm	Architrave box fixed lugs, with 16mm knockouts	5	9258
35mm	1x adjustable lug, 1x fixed lug with 16 x 20mm knockouts	5	SB625
35mm	Dual box, fixed lugs, for two 1 gang size accessories with 16 x 20mm knockouts	5	SB636
47mm	1x adjustable lug, 1x fixed lug with 4 x 20/25mm knockouts	10	SB628

Dimensions

16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm
16mm	130mm x 70mm x 16mm

3 GANG

35mm	3 gang, fixed lugs, 18 x 20mm knockouts	PACK QTY 5	LIST No. SB646
Dimensions	35mm 189mm x 68.3mm x 35mm		

LOUNGE PLATE FLUSH BOXES

35mm	Box to fit Volex Lounge Plates VX1590PS, VX1590SS, VX1590WH 9 x 20mm knockouts	1	SB695
56mm		1	SB1590
Dimensions	Box to fit Volex Lounge Plates VX1590PS, VX1590SS, VX1590WH 10 x 20 / 25mm knockouts		
Dimensions	35mm 253mm x 194mm x 35mm 56mm 253mm x 194mm x 56mm		



APPLEBY Dry Lining Boxes DRY LINING BOXES

- Large flange around front prevents slipping into cavity and matches profile of accessory front plate.
- Manufactured from flame retardant thermoplastic.
- Tough yellow nylon lugs have large bearing faces for superior strength.
- 2 side knockout cable entries plus one 25mm base knockout.
- Brass earth terminal available.
- For Acoustic or Fire rated solutions please contact Technical Services.



FLUSH STEEL BOXES

1 GANG

	Description	PACK QTY	LIST No.
35mm	Adjustable lugs	10	SB619
47mm	Adjustable lugs	4	SB632

Dimensions 35mm 83mm x 83mm x 36mm
47mm 83mm x 83mm x 48mm

Cut-out dimensions 73mm x 73mm

2 GANG

	Description	PACK QTY	LIST No.
35mm	Adjustable lugs	5	SB629
35mm	Dual box, for two 1 gang size accessories	4	SB637
47mm	Adjustable lugs	4	SB631

Dimensions 35mm 143mm x 83mm x 36mm
Dual 168mm x 83mm x 36mm
47mm 143mm x 83mm x 48mm

Cut-out dimensions 2 Gang 133mm x 73mm
Dual 158mm x 73mm

CIRCULAR DRY LINING BOX

	Description	PACK QTY	LIST No.
Dimensions	35mm 1 Gang 2 x 20mm knockouts	10	SB639
Cut-out	80mm diameter		
dimensions	63mm diameter		

Britmac Floor boxes



3 COMPARTMENT FLOOR BOX & ACCESSORIES

TRIM COLOUR	LIST No
Grey	GR03G

The most popular size of raised access floor box for use in commercial office applications where power, voice and data services are required.

Utilises 87mm wide accessory plates.

For Floor Box Dimensions See page 129.



SWITCHED 13A SOCKETS

13A 2 Gang switched socket TWIN EARTH	GB3SS2/BG
13A 2 Gang switched socket CLEAN EARTH	GB3SS2CE/BG
13A 2 Gang switched socket NON-STD TWIN EARTH	GB3SSN2/BG
13A 2 Gang switched socket NON-STD CLEAN EARTH	GB3SSN2CE/BG
13A 2 Gang switched safety socket 30mA	GB3SRCD30/BG

Clean Earth has a normal and an isolated earth.



SWITCHED 13A SOCKETS

13A 2 Gang unswitched socket TWIN EARTH	GB3S2/BG
13A 2 Gang unswitched socket CLEAN EARTH	GB3S2CE/BG
13A 2 Gang unswitched socket NON-STD	GB3SN2/BG

Clean Earth has a normal and an isolated earth.



DATA AND COMMUNICATIONS

Accessory plate 4 knockout LJU6C/RJ45	GB3J6C/BG
Accessory plate to accept 6x LJU6C/RJ45	GB3J6C/6BG
Accessory plate to accept 2x 1G standard accessory	GB3J3/BG
Accessory plate to accept 2G standard accessory	GB32G/BG
Blank plate	GB3BP/BG
Accessory plate to accept 4x Alpha	GB3ALPHA/BG
Accessory plate to accept 2x Euro module	GB3EURO/BG

Floor boxes



4 COMPARTMENT FLOOR BOX & ACCESSORIES

TRIM COLOUR	LIST No
Grey	GR04G

Compact 4 compartment unit - utilises 66mm wide accessories.
4 compartment units can provide an attractive and economical solution for applications, where power, voice and data systems are to be accessed, particularly where both clean and utility power outlets are required or where more than one type of data system is required.



SWITCHED 13A SOCKETS

13A 2 Gang switched socket TWIN EARTH	GBSS2/BG
13A 2 Gang switched socket CLEAN EARTH	GBSS2CE/BG
13A 2 Gang switched socket NON-STD TWIN EARTH	GBSSN2/BG
13A 2 Gang switched socket NON-STD CLEAN EARTH	GBSSN2CE/BG
13A 2 Gang switched safety socket 30mA	

Power sockets supplied with rear entry terminals as standard.
Clean earth have a normal and an isolated earth. Only two 13A 2 gang Sockets can be fitted per Floor Box, in centre compartment only.



DATA AND COMMUNICATIONS

Plate to accept 4 LUJ6C voice or 4 RJ45 data outlets	GBJ6C/BG
Blank plate for on - site piercing	GBBP/BG
Plate to accept 4x Alpha	GBALPHA/BG
Plate to accept 2x Euro modules	GBEURO/BG

(Will accept 4x Crabtree communication modules 25mm x 50mm).
All plates 66mm x 173mm.
All accessory plates are supplied with fixing screws.
13A accessory plates are supplied with the appropriate interior fitted.



KNOCKOUT DIMENSIONS



WIREMO1LD® POKE-THRU DEVICES



10" poke-thru device

4" DEVICE



2-gangs of capacity

6" DEVICE



3-gangs of capacity

8" DEVICE



5-gangs of capacity

10" DEVICE





Evolution™ Series 6", 8" & 10" Poke-Thru Devices

Designed for retrofit and new construction, Evolution Series 6", 8" & 10" Poke-Thru devices provide convenient access to power, communications, and audio/video services recessed below floor level - providing maximum device protection. With up to 8-gangs of capacity that allow you to configure services for the needs of your space, services can be placed in any location within the unit.

- Recessed Devices. Up to eight (8) compartments for power, communications, and/or A/V devices, all recessed 4" (102mm) below the floor level, providing maximum protection and device longevity.
- Die-Cast Aluminum Cover Assemblies. Die-cast aluminum cover assemblies include an improved hinge design and auto-close egress doors for wiring. They are available in powder-coated finishes of black, brass, gray, nickel, bronze, and aluminum.
- Flush Tile Version Cover Assemblies. Cover can be adjusted to the same level as the top surface of the floor covering. The tile cover is designed for use in higher traffic areas, where a low profile is a must.
- Suitable for Use in Air Handling Spaces. In accordance with Sec. 300-22(C) of the National Electrical Code.
- TopGuard Protection. Meets and exceeds the UL scrub water exclusion requirements for tile, carpet, and wood covered floors.
- Meets ADA Accessibility Guidelines. Wide trim flange is designed to meet the ADA Accessibility Guidelines as it pertains to ADA Standard 4.5 which addresses changes in floor and ground surface levels. The poke-thru trim flanges are beveled so the slope is no greater than 1:2 ratio.
- UL Listed and UL Fire Classified to U.S. and Canadian Safety Standards. UL Fire rated for up to 2-hour rated floors maintains the fire classification of the floor.
- Plug Load Control up to 30 Feet. Works with Pass & Seymour® Wireless RF receptacles to control plug loads up to a distance of 30 feet when the cover is closed.



Evolution Series 6" Poke-Thru



Evolution Series 8" Poke-Thru



Evolution Series 10" Poke-Thru

Evolution Series Poke-Thru Covers. Now available in six finishes: Aluminum, Black, Brass, Gray, Nickel, Bronze and Aluminum.



Cable Reels and Extension Leads

Cable Reels

Product No	Description	Pack Qty
Thorsman cable reels		
4510080	10m 13A cassette 4 sockets cut out	1
4510090	10m 10A cassette 2 sockets cut out	6
4510092	25m 13A open 2 sockets cut out	1
4510094	40m 13A open 2 sockets cut out	1
4510096	50m 13A open 2 sockets cut out	1
4510093	25m 16A 110V open 2 sockets cut out	1
4510095	40m 16A 110V open 2 sockets cut out	1
Jojo cable reels		
JJR22516	25m 16A 110V 2 socket open cable reel	1
JJR42513	25m 13A 4 socket open cable reel	1
JJR45013	50m 13A 4 socket open cable reel	1
JJR43013RCD	30m 13A 4 socket open cable reel with RCD plug	1
JJR4513	5m 13A 4 socket cassette cable reel	1
JJR41010	10m 10A 4 socket cassette cable reel	1
JJR41013	10m 13A 4 socket cassette cable reel	1
JJR41510	15m 10A 4 socket cassette cable reel	6
Trailing leads		
4502105	14m 16A lead set 110V 1.5mm ²	1
4503107	14m 16A lead set 110V 2.5mm ²	1

Extension Leads

Product No	Description	Pack Qty
JJL15W	5m 13A 1 socket extension lead	1
JJL210W	10m 13A 2 socket extension lead	1
JJL41W	1m 13A 4 socket extension lead	1
JJL42W	2m 13A 4 socket extension lead	1
JJL43W	3m 13A 4 socket extension lead	1
JJL45W	5m 13A 4 socket extension lead	1
JJL410WRCD	10m 13A 4 socket extension lead with RCD plug	1
JJL42WHDC	2m 13A 4 socket heavy duty extension lead with switch and neon	1
JJL45WHDC	5m 13A 4 socket heavy duty extension lead with switch and neon	1
JJL42WHDC4	2m 13A 4 socket heavy duty extension lead individually switched with neon	1
JJL45WHDC4	5m 13A 4 socket heavy duty extension lead individually switched with neon	1
JJL42WSSC	2m 13A 4 socket extension lead with surge protection and two neons	1
JJL62WSSC	2m 13A 6 socket extension lead with surge protection and two neons	1
JJL62WHDC	2m 13A 6 socket heavy duty extension lead individually switched with neon	1

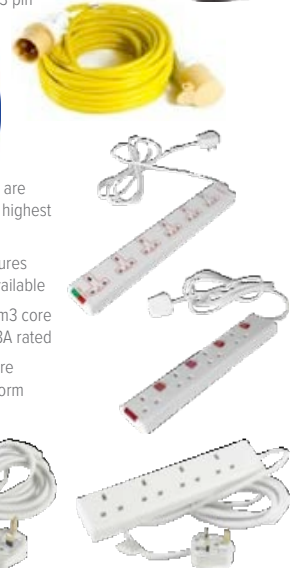
Extension leads, RCDs and timer

Unwired extension leads

Product No	Description	Pack Qty
400110	1 socket 13A heavy duty unwired orange extension socket	1
400286	8 socket 13A ultraslim unwired, switched white extension socket	1
400331	4 socket 13A heavy duty unwired, individually switched with neon, white extension socket	1
400333	6 socket 13A heavy duty unwired, switched with neon white extension socket	1
400444	4 socket 13A heavy duty unwired, switched with neon black extension socket	1
400550	1 socket 13A heavy duty unwired white extension socket	1
400555	2 socket 13A heavy duty unwired white extension socket	1
400460	2 socket 13A unwired white extension socket	1
400465	6 socket 13A heavy duty unwired, switched, fused, neon white extension socket	1
400470	4 socket 13A heavy duty unwired white extension socket	1



- Jojo and Thorsman cable reels are manufactured to the highest quality standards
- Both cassette and open type cable reels, with a variety of cable lengths available to suit a range of applications
- Features a safety cut out in accordance with BS EN61242
- All cable reels are BSI kitemarked, CE marked and conform to BS1363
- Trailing leads ideal for supporting lighting or power tool use on site, in conjunction with transformers and splitters.
- Leads incorporate a 3 pin 16A plug



- Jojo extension leads are manufactured to the highest quality standards
- A wide range of features and cable lengths available
- Supplied with 1.25mm³ core PVC cable and are 13A rated
- All extension leads are CE marked and conform to BS1363

System 1
Power Out 1


















Sys
Powe




























Crouse-Hinds
by **FATON**



Hazardous Area Interlocks & Plugs “GHG” Series Class I, Zone 1 & 2, Div. 2, NEMA 4X, IP66



Amps	Cable Gland	Myers Hub	Wires and Poles	CONFIGURATION Recept./Conn. Plug/Inlet		 INTERLOCK RECEPTACLE	 PLUG
16A	M25		2W3P		110–120	GHG 511 4304 R3001	GHG 511 7304 R0001
	M25		2W3P		220–240	GHG 511 4306 R3001	GHG 511 7306 R0001
	M25		3W4P		220–240	GHG 511 4409 R3001	GHG 511 7409 R0001
	M25		3W4P		380–415	GHG 511 4406 R3001	GHG 511 7406 R0001
	M25		3W4P		500	GHG 511 4407 R3001	GHG 511 7407 R0001
	M25		3W4P		690	GHG 511 4405 R3001	GHG 511 7405 R0001
	M25		4W5P		380–415	GHG 511 4506 R3001	GHG 511 7506 R0001
20A		03-Apr	2W3P		125	GHG 511 4304 L3001	GHG 511 7304 L0001
		03-Apr	2W3P		250	GHG 511 4306 L3001	GHG 511 7306 L0001
		03-Apr	3W4P		30250	GHG 511 4409 L3001	GHG 511 7409 L0001
		03-Apr	3W4P		30480	GHG 511 4407 L3001	GHG 511 7407 L0001
		03-Apr	3W4P			GHG 511 4405 L3001	GHG 511 7405 L0001
30A		1	2W3P		250	GHG 512 4304 L3001	GHG 512 7304 L0001
		1	2W3P		30250	GHG 512 4306 L3001	GHG 512 7306 L0001

Amps	Cable Gland	Myers Hub	Wires and Poles	CONFIGURATION Recept./Conn. Plug/Inlet		 INTERLOCK RECEPTACLE	 PLUG
		1	3W4P		30480	GHG 512 4409 L3001	GHG 512 7409 L0001
		1	3W4P		30600	GHG 512 4407 L3001	GHG 512 7407 L0001
		1	3W4P		220-240	GHG 512 4405 L3001	GHG 512 7405 L0001
32A	M32		3W4P		380-415	GHG 512 4409 R3001	GHG 512 7409 R0001
	M32		3W4P		500	GHG 512 4406 R3001 GHG 512 4407 R3001	GHG 512 7406 R0001 GHG 512 7407 R0001
	M32		3W4P			GHG 512 4405 R3001	GHG 512 7405 R0001
	M32		3W4P		690	GHG 512 4506 R3001	GHG 512 7506 R0001
60A	M32	1 1/4	4W5P		380-415	GHG 514 1309 L3001	GHG 514 7309 L0001
		1 1/4	2W3P		125	GHG 514 1306 L3001	GHG 514 7306 L0001
		1 1/4	2W3P		250	GHG 514 1409 L3001	GHG 514 7409 L0001
		1 1/4	3W4P		30250	GHG 514 1407 L3001	GHG 514 7407 L0001
		1 1/4	3W4P		30480	GHG 514 1405 L3001	GHG 514 7405 L0001
			3W4P		30600		
63A	M40		3W4P		220-240	GHG 514 1409 R3001	GHG 514 7409 R0001
	M40		3W4P		380-415	GHG 514 1406 R3001	GHG 514 7406 R0001
	M40		3W4P		500	GHG 514 1407 R3001	GHG 514 7407 R0001
	M40		3W4P		690	GHG 514 1405 R3001	GHG 514 7405 R0001
100A+	M40	1 1/2	4W5P		380-415	GHG 514 1506 R3001	GHG 514 7506 R0001
		1 1/2	3W4P		125/250	GHG 536 4412 L3001	GHG 535 2412 L0001
		1 1/2	3W4P		30250	GHG 536 4409 L3001	GHG 535 2409 L0001
		1 1/2	3W4P		30480	GHG 536 4407 L3001	GHG 535 2407 L0001
125A+			3W4P			GHG 536 4405 L3001	GHG 535 2405 L0001
	M63		4W5P		30600	GHG 536 4509 R3001	GHG 535 2509 R0001
	M63		4W5P		220-240	GHG 536 4506 R3001	GHG 535 2506 R0001
	M63		4W5P		380-415	GHG 536 4507 R3001	GHG 535 2507 R0001

STANDARD & RCD INTERLOCKED SOCKETS



IP44 IP67



A	V	Poles	STD	RCD Protected	Std	RCD Protected
16	110	2P+E	PM16/3300NFPB 452124LW	PMRCD16/300SITT 660124	PM16/3400NFPB 451124LW	PMRCD16/400SITT 661124
	230	2P+E	PM16/3301NFPB 452126LW	PMRCD16/301SITT 660126	PM16/3401NFPB 451126LW	PMRCD16/401SITT 661126
	400	3P+E	PM16/3305NFPB 452136LW	PMRCD16/305SITT 660136	PM16/3405NFPB 451136LW	PMRCD16/405SITT 661136
	400	3P+N+E	PM16/3308NFPB 452146LW	PMRCD16/308SITT 660146	PM16/3408NFPB 451146LW	PMRCD16/408SITT 661146
32	110	2P+E	PM32/3300NFPB 452224LW	PMRCD32/300SITT 660224	PM32/3400NFPB 451224LW	PMRCD32/400SITT 661224
	230	2P+E	PM32/3301NFPB 452226LW	PMRCD32/301SITT 660226	PM32/3401NFPB 451226LW	PMRCD32/401SITT 661226
	400	3P+E	PM32/3305NFPB 452236LW	PMRCD32/305SITT 660236	PM32/3405NFPB 451236LW	PMRCD32/405SITT 661236
	400	3P+N+E	PM32/3308NFPB 452246LW	PMRCD32/308SITT 660246	PM32/3408NFPB 451246LW	PMRCD32/408SITT 661246
63	230	2P+E			PM63/3401FPB 507326LW	
	400	3P+E			PM63/3405FPB 507336LW	
	400	3P+N+E			PM63/3408FPB 507346LW	
125	400	3P+E			PD125/305FPB 460436LW	
	400	3P+N+E			PD125/311FPB 460446LW	

Stronger



No screws, no weak points

Safer



High Visibility

Wiser



Smart modularity

PLUGS & CONNECTORS



IP44 IP67



A	V	Poles	Plug	Connector	Plug	Connector
16	110	2P+E	PM16/1000FPB 700124LW	PM16/2000FPB 720124LW	710124	730124
	230	2P+E	PM16/1100FPB 700126LW	PM16/2100FPB 720126LW	710126	730126
	400	3P+E	PM16/1500FPB 700136	PM16/2500FPB 720136	710136	730136
	400	3P+N+E	PM16/1800FPB 700146	PM16/2800FPB 720146	710146	730146
32	110	2P+E	PM32/1000FPB 700224LW	PM32/2000FPB 720224LW		
	230	2P+E	PM32/1100FPB 700226LW	PM32/2100FPB 720226LW	710226	730226
	400	3P+E	PM32/1500FPB 700236	PM32/2500FPB 720236	710236	730236
	400	3P+N+E	PM32/1800FPB 700246	PM32/2800FPB 720246	710246	730246
63	400	3P+E			710336	730336
	400	3P+N+E			710346	730346
125	400	3P+N+E			259538	359538



WALL MOUNTED SOCKETS



IP44

IP67

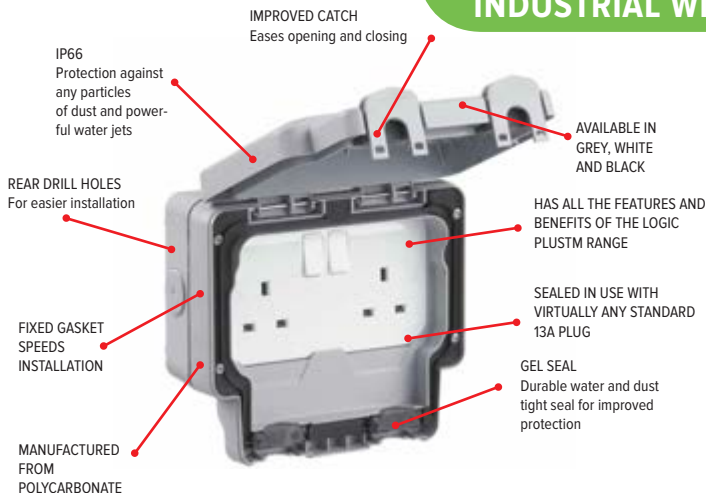


A	V	Poles	90°	15°	90°	15°
16	110	2P+E	508124	438124	509124	439124
	230	2P+E	508126	438126	509126	439126
	400	3P+E	508136	438136	509136	439136
	400	3P+N+E	508146	438146	509146	439146
32	110	2P+E	508224	438224	509224	439224
	230	2P+E	508226	438226	509226	439226
	400	3P+E	508236	438236	509236	439236
	400	3P+N+E	508246	438246	509246	439246
63	230	2P+E			509326	
	400	3P+E			509336	
	400	3P+N+E			509346	
125	400	3P+E			447538	
	400	3P+N+E			457538	



MASTER SEAL PLUS

Switchsocket Outlets,
Timer Socket Outlets, and
Key Operated Socket Outlets



B AMP
IP66



K56486GRY



K56482BLK



K56488GRY

13 AMP
IP66



K56485GRY



K56485WHI



K56487GRY

RCD PROTECTED
13 AMP
IP66



K56301GRY



K56231BL



K56233WHI

13 AMP
IP66



K56480GRY



K56481WHI



K56481BLK

16 AMP
IP66
(NON UK)



K56483GRY



K56483WHI



K56483BLK

K56486GRY
K56486WHI
K56486BLK
13A DP
1 GANG SWITCHED
K56482GRY
K56482WHI
K56482BLK
13A DP
2 GANG SWITCHED
K56488GRY
K56488WHI
K56488BLK
13A DP SWITCHED
2 GANG NEON CLEAR COVER

K56485GRY
K56485WHI
K56485BLK
13A SP
1 GANG
WITH ELECTRONIC
TIMER MODULE
K56487GRY
K56487WHI
K56487BLK
13A 1 GANG DP
KEY OPERATED SOCKET

K56301GRY
K56301WHI
K56301BLK
1 GANG DP
30mA RATED TRIPPING
CURRENT ACTIVE CONTROL
CIRCUIT
K56231GRY
K56231WHI
K56231BLK
2 GANG SP
30mA RATED TRIPPING
CURRENT ACTIVE CONTROL
CIRCUIT
K56233GRY
K56233WHI
K56233BLK
2 GANG SP
30mA RATED TRIPPING
CURRENT PASSIVE CONTROL
CIRCUIT DIMENSIONS

K56480GRY
K56480WHI
K56480BLK
13A 1 GANG
UNSWITCHED
K56481GRY
K56481WHI
K56481BLK
13A 2 GANG
UNSWITCHED

K56483GRY
K56483WHI
K56483BLK
16A
1 GANG 2P+E
UNSWITCHED (NON UK)

MASTER SEAL PLUS



Key Operated Switches

20 AMP
IP66



K56425GRY



K56425WHI



K56425BLK

K56425GRY 1
K56425WHI 1
K56425BLK 1
20A
1 GANG
DP KEY OPERATED SWITCH
Fixing holes are for No.8 woodscrews (not supplied).
K56425 Backbox has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box.
DIMENSIONS
160 x 117 x 89mm
BSEN60669-1:1999
IP66
BSEN60529:1992

Connection Units

13 AMP
IP66



K56410WHI



K56410BLK



K56402BLK

K56410GRY 1
K56410WHI 1
K56410BLK 1
13A DP
1 GANG
SWITCHED, FUSED
Fitted with a 13A fuse link to BS 1362.
Fixing holes are for No.8 woodscrews (not supplied).
Backbox has 4 x 20mm entries, 1 on each edge, and is supplied with an earth terminal in the backbox.
DIMENSIONS
160 x 117 x 89mm
BSEN60669-1:1999
IP66
BSEN60529:1992

Switches

10 AMP
IP66



K56400GRY



K56401WHI



K56410GRY

K56400GRY 1
K56400WHI 1
K56400BLK 1
10A 1 GANG
SP ONE-WAY
K56401GRY 1
K56401WHI 1
K56401BLK 1
10A 1 GANG
SP TWO-WAY
K56402GRY 1
K56402WHI 1
K56402BLK 1
10A 2 GANG
SP ONE-WAY

10 AMP
IP66



K56406GRY



K56407BLK



K56408WHI

K56406GRY 1
K56406WHI 1
K56406BLK 1
10A 1 GANG
DP ONE-WAY
K56407GRY 1
K56407WHI 1
K56407BLK 1
10A 1 GANG
SP TWO-WAY
PUSH TO MAKE OR
PUSH TO BREAK
'BELL'
K56408GRY 1
K56408WHI 1
K56408BLK 1
10A 1 GANG
SP TWO-WAY
PUSH TO MAKE OR
PUSH TO BREAK
'PRESS'

20 AMP
IP66



K56420GRY



K56421WHI



K56422BLK

K56409GRY 1
K56409WHI 1
K56409BLK 1
20A 1 GANG
DP ONE-WAY
'PRESS'
Fixing holes are for No.8 woodscrews (not supplied).
Each switch is fitted with a neon which can be wired as a locator.
The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.
DIMENSIONS
95 x 95 x 57mm
BSEN60669-1:1999
IP66 to BSEN60529:1992

Data/Telecom Enclosures Euro Format

IP66



K56423GRY



K56423WHI



K56423BLK

K56423GRY 1
K56423WHI 1
K56423BLK 1
1 GANG
DATA ENCLOSURE FOR 2 MODULE EURO OUTLET
2 data modules can be accommodated providing care is used to ensure that the cables are correctly routed through the outlet.
Fixing holes are for No.8 woodscrews (not supplied).
Backbox has 4 x 20mm entries, 1 on each edge.
Supplied with an earth terminal and a loop terminal in the backbox.
DIMENSIONS
160 x 117 x 89mm
IP66 to BSEN60529:1992



MASTER SEAL PLUS

Grid Plus Enclosures

IP56



K56414GRY



K56414WHI



K56414BLK

K56414GRY 1
K56414WHI 1
K56414BLK 1
MODULAR GRID PLUS ENCLOSURE SUPPLIED WITH 1 AND 2 GANG INSERTS*
Fixing holes are for No.8 woodscrews (not supplied).
Backbox has 4 x 20mm entries, 1 on top, bottom and each side.
Supplied with an earth terminal and a loop terminal in the backbox.
DIMENSIONS
95 x 95 x 80mm
B5EN60669-1:1999
IP56 to B5EN60529:1992

Switch Enclosures

IP56



K56420GRY



K56422BLK



K56421WHI



K56422GRY

K56420GRY 1
K56420WHI 1
K56420BLK 1
1 GANG FOR USE WITH ANY ONE SWITCH MODULE
K56421GRY 1
K56421WHI 1
K56421BLK 1
1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NEON MODULE
K56422GRY 1
K56422WHI 1
K56422BLK 1
2 GANG FOR USE WITH ANY TWO SWITCH MODULES
Fixing holes are for No.8 woodscrews (not supplied). Each enclosure is fitted with a neon which should be wired as a locator. The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.
NOTE
These enclosures are for use with the Masterseal Plus™ switch and neon modules.
DIMENSIONS
95 x 95 x 57mm
IP66 to B5EN60529:1992

Switch Modules

10 AMP



56881BLK



56882BLK



56883BLK

56881BLK 10
10A SP
ONE-WAY
56882BLK 10
10A SP
TWO-WAY
56883BLK 10
10A DP
ONE-WAY
For use only with Masterseal Plus™ switch enclosures.
These switches do NOT have to be derated when used with fluorescent or inductive

20 AMP



56891BLK



56892BLK

56893BLK



56896BLK

56891BLK 10
20A SP
ONE-WAY
56892BLK 10
20A SP
TWO-WAY
56893BLK 10
20A INTERMEDIATE
56896BLK 10
20A DP
ONE-WAY
For use only with Masterseal Plus™ switch enclosures.
These switches do NOT have to be derated when used with fluorescent or inductive loads.
B5EN60669-1:1999

Neon Modules



56889RED

56889RED 10
200-250V NEON
RED
BS 5733: 2010

Euro Data Modules

Telecom



K5820WHI



K5820BLK



K5821WHI



K5821BLK

K5820WHI 5
K5820BLK 5
TELEPHONE MASTER ONE MODULE
K5821WHI 5
K5821BLK 5
TELEPHONE SECONDARY ONE MODULE
DIMENSIONS
25 x 50mm
BS 6312-2

METALCLAD PLUS SWITCHSOCKET OUTLETS



DP
13 AMP

2 GANG DP WITH
2 X USB
CHARGING
PORTS DUAL
EARTH
13 AMP

WITH OUTBOARD
ROCKERS
13 AMP

WITH NEONS
13 AMP



K2977ALM



K3077WHI



K2943D5ALM



K2945ALM



K2477ALM



K2977D6ALM



K3046WHI



K2943D5WHI



K2945D6ALM



K2477D6ALM



K2946ALM



K3045WHI



K2446ALM



K2946D6ALM



K2446D6ALM

K2977ALM
1 GANG DP WITH
DUAL EARTH
TERMINALS

K2977D5ALM
1 GANG DP WITH
DUAL EARTH
TERMINALS
WITHOUT BOX

K2977D6ALM
1 GANG DP WITH
RED ROCKER
AND DUAL EARTH
TERMINALS

K2946ALM
2 GANG DP

K2946D5ALM
2 GANG DP
WITHOUT BOX

K2946D6ALM
2 GANG DP WITH
RED ROCKERS

K3077WHI
1 GANG DP
WITHOUT BOX

K3046WHI
2 GANG DP
WITHOUT BOX

K2943D5ALM
2 GANG DP WITH
DUAL EARTH
TERMINALS
WITH INTEGRAL
USB CHARGING
WITHOUT BOX

K2943D5WHI
2 GANG DP WITH
DUAL EARTH
TERMINALS
WITH INTEGRAL
USB CHARGING
WITHOUT BOX

K2945ALM
2 GANG DP
WITH OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS

K2945D5ALM
2 GANG DP
WITH OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS
WITHOUT BOX

K2945D6ALM
2 GANG DP
WITH RED
OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS

K3045WHI
EARTH TERMINALS
2 GANG DP
WITHOUT BOX WITH
OUTBOARD
ROCKERS AND DUAL
EARTH TERMINALS

K2477ALM
1 GANG DP
WITH NEON AND
DUAL EARTH
TERMINALS

K2477D6ALM
1 GANG DP WITH
NEON, RED ROCKER
AND DUAL EARTH
TERMINALS

K2446ALM
2 GANG DP
WITH NEONS

K2446D6ALM
2 GANG DP WITH
NEONS AND RED
ROCKERS



METALCLAD PLUS

SWITCHSOCKET OUTLETS

RCD PROTECTED
13 AMP

ROUND PIN



K6102ALM



K6302ALM



K6231ALM



K2871ALM



K2873ALM

SOCKET OUTLETS

NON STANDARD
13 AMP



K848ALM



K850ALM

SWITCHES

10 AMP



K3591ALM



K3592ALM



K3593ALM

K6102ALM
1 GANG DP
10mA ACTIVE
CIRCUIT

K6302ALM
1 GANG DP
30mA ACTIVE
CIRCUIT

K6305ALM
1 GANG DP
30mA PASSIVE
CIRCUIT

K6231ALM
2 GANG SP
30mA ACTIVE
CIRCUIT

K6233ALM
2 GANG SP
30mA PASSIVE
CIRCUIT

K2871ALM
1 GANG
5A DP SHUTTERED

K2873ALM
1 GANG
15A DP
SHUTTERED

K848ALM
1 GANG

K850ALM
2 GANG
WITH DUAL EARTH
TERMINALS

K3591ALM
1 GANG SP
TWO WAY

K3592ALM
2 GANG SP TWO
WAY

K3593ALM
3 GANG 2 WAY
SP 10A



METALCLAD PLUS



BOXES

BLANK PLATES

GRID PLUS FRONTPLATES



K829ALM



K3390ALM



K3491ALM



K3494ALM



K830ALM



K3390WHI



K3492ALM



K3496ALM



K3502ALM



K899ALM



K3369ALM



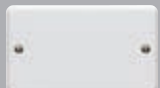
K3493ALM



K3498ALM



K899WHI



K3369WHI

K829ALM

1 GANG
WITHOUT
KNOCKOUTS

K830ALM

2 GANG
WITHOUT
KNOCKOUTS

K899ALM

K899WHI

1 GANG
6 X 20MM
KNOCKOUTS

K3390ALM

K3390WHI
1 GANG

K3369ALM

K3369WHI
2 GANG

K3491ALM

1 MODULE

K3492ALM

2 MODULE

K3493ALM

3 MODULE

K3494ALM

4 MODULE

K3496ALM

6 MODULE

K3498ALM

8 MODULE

K3502ALM

12 MODULE
available in 9, 18, 24
and white finish

RCD Protection



RCD05WAV
Valance Twin White Socket
RCD Circuit Breaker – Active



RCD06WPV
Valance Twin White Socket
RCD Circuit Breaker – Passive



TFA01W
Tripfast Single White Socket – Active

TFP02WL
Passive Version



RCD07MAV
Valance Twin Metal Socket
RCD Circuit Breaker – Active



RCD08MPV
Valance Twin Metal Socket
RCD Circuit Breaker – Passive



TFA05W
Tripfast Double White Socket – Active

TFP06WL
Passive Version



RCD10WPV
Valance White RCD Fused
Connection Unit – Passive



CB008
Plug-In Safety Breaker RCD Adaptor



TFP10WL
Tripfast White Fused
Connection Unit – Passive



TFA03M
Tripfast Single Metal Socket – Active

TFP04ML
Passive Version



TFA07M
Tripfast Double Metal Socket – Active

TFP08ML
Passive Version



BRITISH
ELECTRIC
LAMPS



integral™
LED

Knightsbridge®
the mark of quality

Kodak 
LED Lighting

PHILIPS



LED GU10 Dimming



6W Pro LED Classic GU10

Traditional halogen look with the energy saving benefits of LED

- True fit GU10 size
- High performance 87lm/W
- Suitable for fire rated and IP rated fixtures
- Available in both 36° & 60° beam angles
- High grade driver designed for smooth dimming at min & max load levels, operating effectively with rotary and digital dimming system
- 60° version manufactured with special film applied to glass lens which ensures an even spread of light along with reduced glare



6W Pro LED Classic GU10	
Dimmer	
BELL LED Dimmer Module 250VA (Code 09592)	2 to 20
Aurora AUDSP400X 60-400VA	2 to 20
Aurora AUDSP 250W	3 to 20
Aurora DSP601 650W	5 to 20
BG AT091 60-500W	4 to 20
Click MD9042 60-400W	2 to 20
Click MD9040	5 to 20
Hamilton Hartland 741X40 400W	1 to 20
Hamilton 841XU3	2 to 20
Hamilton Linkstat 40-400W	2 to 20
Hamilton L400 400W	2 to 20
Hamilton Mercury MDP4X600	4 to 20
Lutron QS Link 800W	1 to 13
Lutron Grafik Eye	1 to 15
MK K1532 WHE 40-250W	2 to 20
MK K150IRPWH1LV 60-500W	2 to 20
MK K4511 4-70W LED	1 to 10
Superswitch 1G2W 250W	3 to 20
Varilight V-Pro 100W	1 to 15
Varilight HQ3W	6 to 20
VarilightIJSJ 100W	2 to 10
Varilight VPRO MJP300	3 to 40
Varilight VROM GKP 180W	2 to 10
Varilight HQ7 120W	1 to 20
Varilight HQ1 400W	2 to 20

Specially designed COB for enhanced performance and halogen style appearance

Diamond Aluminium Reflector for optimum colour rendering

Shatterproof frost glass casing for safety and improved aesthetics

Unique IC Switch Driver designed for optimum dimming and long life

Ceramic heat sink for improved thermal management



LED GU10 Dimming



5W LED Halo GU10

Traditional halogen look with the energy saving benefits of LED

- Energy saving benefits of LED
- Improved efficiency up to 70 lm/W
- Rimless lens for improved aesthetics
- True fit GU10 size
- Suitable for fire rated and IP rated fixtures



Sharp SMT Multi LED Chip

Precision moulded polycarbonate lens to ensure precise beam angles

High performance aluminium heat sink, rated to 45° ambient temperature

Bell designed IC Driver for enhanced dimming performance

Surge protected circuitry at 3kV



5W LED Halo GU10	
Dimmer	
BELL LED Dimmer Module 250VA (Code 09592)	2 to 20
Aurora DSP651 650W	2 to 20
Aurora AUDSP400X 60-400VA	1 to 20
Aurora DSP801 800W	2 to 20
Aurora AUDSP 250W	5 to 10
Aurora AUDSP 400	2 to 20
BE AT091 60-500W	3 to 30
BG 1P01 400W	2 to 20
Crabtree 8250 DS55 250W	5 to 20
Click MD9042 60-400W	1 to 20
Danler DPID 250W	1 to 20
Hamilton 741X40 400W	1 to 20
Hamilton 8413XU 40-300VA	1 to 20
Hamilton Litestat 40-400W	2 to 20
Hamilton L400/2 40-400W	2 to 20
Hamilton Mercury MDP4x600+VFR	1 to 32
Le Grande Synergy 7300	2 to 20
Lutron Grafik Eye QSGRK-4PCE-TWH	1 to 25
Lutron QS Link	1 to 14
MK KU511 WHILV 4-700 LED	1 to 14
MK K1532 40-250W	3 to 20
MK 1501 RD 60-500W	1 to 16
Superswitch 1G2W 250W	2 to 20
Variilight V-PRO ZOJP250-P 100W	1 to 20
Variilight HQ7W 120W	2 to 20
Variilight IJSI 101 100W	4 to 20
Variilight KQP401W 400W	2 to 20
Variilight KQP601W 600W	3 to 20
Variilight VPRO MJP300	2 to 40
Variilight GKP 180 180W	2 to 30
Variilight HQ7 120W	2 to 20
Variilight HQ3W 400W	1 to 20
Variilight HQ1 400W	1 to 20
Zano ZMOD600 TE 600W	1 to 40
Zano Z Grid 250W	2 to 20



LED GU10 Dimming



6W Pro LED Halo GU10

Traditional halogen look with the energy saving benefits of LED

- Diamond aluminium reflector for peak optical performance
- Improved efficiency up to 64 lm/W
- High grade driver designed and tested for smooth dimming at min & max load levels, operating effectively with rotary and digital dimming systems
- Special anti-glare lens



Specially designed COB for enhanced performance and halogen style appearance

Diamond Aluminium Reflector for optimum colour rendering

High performance aluminium heat sink, rated to 45° ambient temperature

Bell designed IC Driver for enhanced dimming performance

Ceramic heat sink for improved thermal management



6W LED Pro Halo GU10	
Dimmer	
BELL LED Dimmer Module 250VA (Code 09592)	2 to 20
Aurora DSP801	2 to 20
Aurora DSP401	1 to 20
Aurora DSP400X	1 to 20
Aurora DSP251	2 to 20
BG NEXUS 881P	2 to 20
Click M115	2 to 20
Click MD9040	1 to 20
Click MD9042	1 to 20
Click MD9022	1 to 10
Contactium R3624 / 2BS	2 to 20
Danler DP1D LED	1 to 20
DETA S1253	1 to 20
Hamilton KP3X40	1 to 20
Hamilton MDP 4x600 per channel	1 to 25
Le Grande Synergy 7300.46	2 to 20
Lutron GRAFIK Eye per channel	1 to 17
Lutron GRAFIK Eye QS per channel	1 to 20
Lutron HW/LP-RPM-4A-230	1 to 76
Lutron HW/LP-RPM-4A-230-CE	1 to 67
Lutron GP (Harrier) Card	1 to 83
Lutron NGRX-ELVI-CE	1 to 39
Lutron NGRX-PB-CE	1 to 21
Rako RDT500	1 to 20
Rako RDL250	1 to 15
Rako RDL500	1 to 20
RAK4T	1 to 30
RAK4L	1 to 30
Schneider Ultimate GU60 12LV	1 to 20
Varilight HQ3W	1 to 20
Varilight JQP401W	1 to 20



LED Commercial

• Halo / Titan / Pro Classic GU10

	Code	Volts	W	Cap	Finish	lm	cd	Description	Hrs	Box Qty
5W LED Halo GU10 Warm White Cool White Daylight H 54mm Ø50mm 3 Year Guarantee*	05760	240	5	GU10	Warm White 2700K	330	510	Non Dim 38°	20000	100
	05761	240	5	GU10	Cool White 4000K	350	510	Non Dim 38°	20000	100
	05762	240	5	GU10	Daylight 6500K	360	510	Non Dim 38°	20000	100
	05763	240	5	GU10	Warm White 2700K	330	510	Dimmable 38°	20000	100
	05764	240	5	GU10	Cool White 4000K	350	510	Dimmable 38°	20000	100
	05765	240	5	GU10	Daylight 6500K	360	510	Dimmable 38°	20000	100
	05775	240	5	GU10	Warm White 2700K	330	490	Non Dim 60°	20000	100
	05776	240	5	GU10	Cool White 4000K	350	490	Non Dim 60°	20000	100
	05777	240	5	GU10	Daylight 6500K	360	490	Non Dim 60°	20000	100
	05778	240	5	GU10	Warm White 2700K	330	490	Dimmable 60°	20000	100
	05779	240	5	GU10	Cool White 4000K	350	490	Dimmable 60°	20000	100
	05780	240	5	GU10	Daylight 6500K	360	490	Dimmable 60°	20000	100
	NEW 5W LED Halo Titan GU10 Warm White Cool White Daylight H 54mm Ø50mm 3 Year Guarantee*	05870	240	5	GU10	Warm White 2700K	450	600	Non Dim 38°	20000
05871		240	5	GU10	Cool White 4000K	480	610	Non Dim 38°	20000	100
05872		240	5	GU10	Daylight 6500K	500	630	Non Dim 38°	20000	100
05873		240	5	GU10	Warm White 2700K	450	600	Dimmable 38°	20000	100
05874		240	5	GU10	Cool White 4000K	480	610	Dimmable 38°	20000	100
05875		240	5	GU10	Daylight 6500K	500	630	Dimmable 38°	20000	100
NEW 6W Pro LED Classic GU10 Warm White Cool White Daylight H 53mm Ø50mm 5 Year Guarantee*		05498	240	6	GU10	Warm White 2700K	520	1150	Non Dim 36°	30000
	05499	240	6	GU10	Cool White 4000K	520	1150	Non Dim 36°	30000	100
	05500	240	6	GU10	Daylight 6000K	520	1150	Non Dim 36°	30000	100
	05507	240	6	GU10	Warm White 2700K	520	400	Non Dim 60°	30000	100
	05508	240	6	GU10	Cool White 4000K	520	400	Non Dim 60°	30000	100
	05509	240	6	GU10	Daylight 6000K	520	400	Non Dim 60°	30000	100
	05501	240	6	GU10	Warm White 2700K	520	1150	Dimmable 36°	30000	100
	05502	240	6	GU10	Cool White 4000K	520	1150	Dimmable 36°	30000	100
	05503	240	6	GU10	Daylight 6000K	520	1150	Dimmable 36°	30000	100
	NEW 6W Pro LED Classic Dim to Warm GU10 Warm White H 53mm Ø50mm 5 Year Guarantee*	05513	240	6	GU10	Warm 2700K-2300K	450	750	36° Beam	30000



Available Soon



Available Soon



Available Soon





LED Commercial

• AR111 • PAR Spot • PAR Exterior

	Code	Volts	W	Cap	Finish	lm	cd	Description	Hrs	Box Qty
6W Pro LED Halo GU10 Warm White Cool White Daylight H 59.5mm Ø50mm 5 Year Guarantee* 	05809	240	6	GU10	Warm White 2700K	330	700	36° Beam	30000	100
	05810	240	6	GU10	Cool White 4000K	350	700	36° Beam	30000	100
	05811	240	6	GU10	Daylight 6000K	360	700	36° Beam	30000	100

Designed for optimal performance with digital dimming systems

	Code	Volts	W	Cap	Finish	lm	cd	Description	Hrs	Box Qty
NEW 5W LED Long Neck GU10 Warm/Cool White H 74mm Ø50mm 5 Year Guarantee*	05887	240	5	GU10	Warm White 3000K	400	140	100° Beam	15000	100
	05888	240	5	GU10	Cool White 4000K	400	140	100° Beam	15000	100

Designed to fit deep recessed downlight fittings

5W LED Coloured GU10 White Red Green Blue Amber H 55mm Ø50mm 5 Year Guarantee*	05770	240	5	GU10	White	460	840		30000	100
	05771	240	5	GU10	Red	80	150		30000	100
	05772	240	5	GU10	Green	300	500		30000	100
	05773	240	5	GU10	Blue	90	120		30000	100
	05774	240	5	GU10	Amber	45	80		30000	100

	Code	Volts	W	Cap	Finish	lm	cd	Description	Hrs	Box Qty
NEW 5 / 7W Pro LED Classic MR16 Cool White Warm White Daylight H 47mm Ø50mm 5 Year Guarantee* 	05515	12	5	GU5.3	Warm White 2700K	390	600	Non Dim 36°	30000	100
	05516	12	5	GU5.3	Cool White 4000K	390	600	Non Dim 36°	30000	100
	05517	12	5	GU5.3	Daylight 6000K	390	600	Non Dim 36°	30000	100
	05518	12	7	GU5.3	Warm White 2700K	540	900	Non Dim 36°	30000	100
	05519	12	7	GU5.3	Cool White 4000K	540	900	Non Dim 36°	30000	100
	05520	12	7	GU5.3	Daylight 6000K	540	900	Non Dim 36°	30000	100

3W LV LED MR11 Warm White H 40mm Ø35mm 5 Year Guarantee* 	05611	12	3	GU4	Warm White 3000K	190	600	3 LED 24° Beam	30000	100
	05100	LED line driver Max. 15W (See page 72)								
	05101	LED line driver Max. 30W (See page 72)								

12V intensity LED bulbs require a BELL line driver



**BRITISH
ELECTRIC
LAMPS**

LED Commercial

• AR111 • PAR Spot • PAR Exterior

16W LV LED AR111

Warm White
Cool White
H 50mm Ø110mm



Code	Volts	W	Cap	Finish	lm	cd	Description	Hrs	Box Qty
05088	12	16	G53	Cool White 4000K	1250	2200	LED 40° Beam	30000	50
05089	12	16	G53	Warm White 2700K	1120	1970	LED 40° Beam	30000	50
05101 30W LED Constant Voltage Line Driver 12V									



12V intensity LED bulbs require a BELL line driver

16W LED Energy Saver 84%



18W 6 LED AR111

Warm White
40° Beam
H 86mm Ø111mm



04411	240	18	GU10	Warm White 2700K	900	1600	6 LED 40° Beam	30000	24
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18W LED Energy Saver 82%



15W LED PAR38

Clear, Coloured
H 130mm Ø121mm
3 Year Guarantee*



05650	240	15	ES/E27	Clear Non Dim	1300	2000	LED PAR 38 Ext	30000	50
05651	240	15	ES/E27	Green Non Dim	1300	n/a	LED PAR 38 Ext	30000	50
05652	240	15	ES/E27	Red Non Dim	1300	n/a	LED PAR 38 Ext	30000	50
05653	240	15	ES/E27	Blue Non Dim	1300	n/a	LED PAR 38 Ext	30000	50
05654	240	15	ES/E27	Yellow Non Dim	1300	n/a	LED PAR 38 Ext	30000	50

15W LED Energy Saver 88%



6W LED PAR 16

H 78mm Ø50mm

10W LED PAR 20

H 89mm Ø63.5mm

10W LED PAR 25

H 100.5mm Ø79.5mm

12W LED PAR30

H 91.5mm Ø95mm

14W LED PAR38

H 132.5mm Ø121mm



05864	240	6	SES/E14	Warm White 2700K	400	1000	LED PAR 16	30000	100
05865	240	10	ES/E27	Warm White 2700K	580	1350	LED PAR 20	30000	60
05866	240	10	ES/E27	Warm White 2700K	580	1350	LED PAR 25	30000	60
05867	240	12	ES/E27	Warm White 2700K	1000	2000	LED PAR 30	30000	20
05868	240	14	ES/E27	Warm White 2700K	1050	2200	LED PAR 38	30000	20



6W LED Energy Saver 88%

12W LED Energy Saver 90%

10W LED Energy Saver 87%

14W LED Energy Saver 88%





LED Decorative

• Filament Lamps Non Dimmable

4W Pro LED Filament Candle

Clear/Satin
Warm White

H 90mm Ø35mm
BC/B22 SBC/B15
SES/E14 ES/E27
3 Year Guarantee*



05022	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
05023	240	4	SBC/B15	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
05024	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
05025	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
05127	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
05128	240	4	SBC/B15	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
05129	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
05130	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100



4W Pro LED Filament Round

Clear
Warm White

H 78mm Ø45mm
BC/B22
SES/E14 ES/E27
3 Year Guarantee*



05030	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100
05031	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100
05032	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100



4 / 6W Pro LED Filament GLS

Clear
Warm White

H 102mm Ø60mm
BC/B22 SBC/B15
SES/E14 ES/E27
3 Year Guarantee*



05016	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament GLS Clear	15000	100
05017	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament GLS Clear	15000	100
05018	240	6	BC/B22	Warm White 2700K	810	Pro LED Filament GLS Clear	15000	100
05019	240	6	ES/E27	Warm White 2700K	810	Pro LED Filament GLS Clear	15000	100
05121	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament GLS Satin	15000	100
05122	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament GLS Satin	15000	100
05123	240	6	BC/B22	Warm White 2700K	810	Pro LED Filament GLS Satin	15000	100
05124	240	6	ES/E27	Warm White 2700K	810	Pro LED Filament GLS Satin	15000	100



1 / 4W Pro LED Filament Bent Tip Candle/Chandelier

Clear
Satin
Warm White

H 115mm Ø35mm
H 86mm Ø22mm
SES/E14
MES/E10
3 Year Guarantee*



05026	240	4	SES/E14	Warm White 2700K	470	Filament Bent Tip Candle Clear	15000	100
05027	240	4	SES/E14	Warm White 2700K	470	Filament Bent Tip Candle Satin	15000	100
05028	240	1	SES/E14	Warm White 2700K	100	Filament Chandelier Clear	15000	100
05029	240	1	MES/E10	Warm White 2700K	100	Filament Chandelier Clear	15000	100







LED Decorative

• Filament Lamps Non Dimmable

<h4>4W Pro LED Filament Candle</h4> <p>Clear Warm White</p> <p>H 106mm Ø35mm BC/B22 SBC/B15 SES/E14 ES/E27 3 Year Guarantee*</p> 	05305	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
	05306	240	4	SBC/B15	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
	05308	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
	05309	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Candle Clear	15000	100
	05312	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
	05313	240	4	SBC/B15	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
	05314	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100
	05315	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Candle Satin	15000	100









4W Energy Saving **90%**

Clear Finish

Satin Finish

Dimmable

<h4>4W Pro LED Filament Round</h4> <p>Clear Warm White</p> <p>H 84mm Ø45mm BC/B22 SES/E14 ES/E27 3 Year Guarantee*</p> 	05310	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100
	05316	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100
	05317	240	4	SES/E14	Warm White 2700K	470	Pro LED Filament Round Clear	15000	100

4W Energy Saving **90%**

Clear Finish

Satin Finish

Dimmable

<h4>4W Pro LED Filament GLS</h4> <p>Clear Warm White</p> <p>H 104mm Ø60mm BC/B22 SBC/B15 SES/E14 ES/E27 3 Year Guarantee*</p> 	05300	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament GLS Clear	15000	100
	05301	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament GLS Clear	15000	100
	05302	240	6	BC/B22	Warm White 2700K	810	Pro LED Filament GLS Clear	15000	100
	05304	240	6	ES/E27	Warm White 2700K	810	Pro LED Filament GLS Clear	15000	100
	05286	240	4	BC/B22	Warm White 2700K	470	Pro LED Filament GLS Satin	15000	100
	05287	240	4	ES/E27	Warm White 2700K	470	Pro LED Filament GLS satin	15000	100
	05288	240	6	BC/B22	Warm White 2700K	810	Pro LED Filament GLS Satin	15000	100
	05289	240	6	ES/E27	Warm White 2700K	810	Pro LED Filament GLS Satin	15000	100






6W Energy Saving **90%**




4W Energy Saving **90%**

Clear Finish

Satin Finish

Dimmable

<h4>4W Pro LED Filament Bent Tip Candle</h4> <p>Clear Satin Warm White</p> <p>H 126mm Ø35mm SES/E14 3 Year Guarantee*</p> 	05033	240	4	SES/E14	Warm White 2700K	470	Filament Bent Tip Candle Clear	15000	100
	05034	240	4	SES/E14	Warm White 2700K	470	Filament Bent Tip Candle Satin	15000	100

4W Energy Saving **90%**

Clear Finish






Satin Finish

Dimmable



LED Decorative

• Vintage Non Dimmable

4W Vintage Squirrel Cage Amber BC/B22 ES/E27 H 126mm Ø58mm 	01461	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Squirrel Cage	15000	20
	01462	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Squirrel Cage	15000	20
4W Vintage Globe Amber BC/B22 ES/E27 H 115mm Ø80mm 	01463	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Globe	15000	20
	01464	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Globe	15000	20
4W Vintage Large Globe Amber BC/B22 ES/E27 H 178mm Ø125mm 	01436	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Large Globe	15000	20
	01437	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Large Globe	15000	20
4W Vintage Candle Amber BC/B22 ES/E27 SBC/B15 BC & ES H 90mm Ø35mm SBC & SES H 96mm Ø35mm 	01430	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Candle	15000	100
	01431	240	4	SBC/B15	Ultra Warm White 2000K	300	LED Vintage Candle	15000	100
	01433	240	4	SES/E14	Ultra Warm White 2000K	300	LED Vintage Candle	15000	100
	01432	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Candle	15000	100
4W Vintage Tubular Amber BC/B22 ES/E27 01438/9: H 110mm Ø45mm 01441: H 130mm Ø30mm 01445: H 280mm Ø30mm 	01438	240	4	BC/B22	Ultra Warm White 2000K	300	LED Short Vintage-Tubular	15000	100
	01439	240	4	ES/E27	Ultra Warm White 2000K	300	LED Short Vintage Tubular	15000	100
	01441	240	4	ES/E27	Ultra Warm White 2000K	300	LED Med Vintage Tubular	15000	100
	01445	240	7	ES/E27	Ultra Warm White 2000K	640	LED Long Vintage Tubular	15000	100





LED Decorative

• Vintage Dimmable

4W Vintage Squirrel Cage Amber BC/B22 ES/E27 H 150mm Ø58mm	01468	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Squirrel Cage Dim	15000	20
	01469	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Squirrel Cage Dim	15000	20
4W Vintage Globe Amber BC/B22 ES/E27 H 130mm Ø80mm	01473	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Globe Dim	15000	20
	01474	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Globe Dim	15000	20
4W Vintage Large Globe Amber BC/B22 ES/E27 H 194mm Ø125mm	01471	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Lg Globe Dim	15000	20
	01472	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Lg Globe Dim	15000	20
4W Vintage Candle Amber BC/B22 SBC/B15 SES/E14 ES/E27 SBC/SES H 115mm Ø35mm BC/ES H 97mm Ø35mm	01451	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Candle Dim	15000	100
	01452	240	4	SBC/B15	Ultra Warm White 2000K	300	LED Vintage Candle Dim	15000	100
	01454	240	4	SES/E14	Ultra Warm White 2000K	300	LED Vintage Candle Dim	15000	100
	01453	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Candle Dim	15000	100
4W Vintage Tubular Amber BC/B22 ES/E27 H 126mm Ø38mm	01500	240	4	BC/B22	Ultra Warm White 2000K	300	LED Vintage Tubular Dim	15000	100
	01501	240	4	ES/E27	Ultra Warm White 2000K	300	LED Vintage Tubular Dim	15000	100





LED Decorative

• Candle

4W LED Non Dimmable Candle

Opal
Warm White
H 102mm Ø37mm
BC/B22 SBC/B15
SES/E14 ES/E27

3 Year Guarantee*

05057	240	4	BC/B22	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05096	240	4	SBC/B15	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05056	240	4	SES/E14	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05055	240	4	ES/E27	Warm White 2700K	250	35mm LED Opal Candle	25000	50

Opal Finish

7W **40W** Energy Saving **82%**

4W LED Non Dimmable Candle

Clear
Warm White
H 107mm Ø37mm
BC/B22 SBC/B15
SES/E14 ES/E27

3 Year Guarantee*

05700	240	4	BC/B22	Warm White 2700K	250	35mm LED Clear Candle	25000	50
05701	240	4	SBC/B15	Warm White 2700K	250	35mm LED Clear Candle	25000	50
05702	240	4	SES/E14	Warm White 2700K	250	35mm LED Clear Candle	25000	50
05703	240	4	ES/E27	Warm White 2700K	250	35mm LED Clear Candle	25000	50

Opal Finish

7W **40W** Energy Saving **82%**

4W LED Dimmable Candle

Opal
Warm White
H 106mm Ø37mm
BC/B22 SBC/B15
SES/E14 ES/E27

3 Year Guarantee*

05850	240	4	BC/B22	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05851	240	4	SBC/B15	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05853	240	4	SES/E14	Warm White 2700K	250	35mm LED Opal Candle	25000	50
05852	240	4	ES/E27	Warm White 2700K	250	35mm LED Opal Candle	25000	50

Opal Finish

7W **40W** Energy Saving **82%**

4W LED Dimmable Candle

Clear
Warm White
Cool White
H 102mm Ø37mm
BC/B22 SBC/B15
SES/E14 ES/E27

3 Year Guarantee*

05138	240	4	BC/B22	Warm White 2700K	250	35mm LED Clear Candle	30000	50
05144	240	4	SBC/B15	Warm White 2700K	250	35mm LED Clear Candle	30000	50
05139	240	4	SES/E14	Warm White 2700K	250	35mm LED Clear Candle	30000	50
05146	240	4	ES/E27	Warm White 2700K	250	35mm LED Clear Candle	30000	50
05075	240	4	BC/B22	Cool White 4000K	250	35mm LED Clear Candle	30000	50
05076	240	4	SBC/B15	Cool White 4000K	250	35mm LED Clear Candle	30000	50
05077	240	4	SES/E14	Cool White 4000K	250	35mm LED Clear Candle	30000	50
05115	240	4	ES/E27	Cool White 4000K	250	35mm LED Clear Candle	30000	50

Opal Finish

7W **40W** Energy Saving **82%**



LED Decorative

• Candle

7W LED Non Dimmable Candle

Opal
Warm White
H 109mm Ø39mm
BC/B22 SBC/B15
SES/E14 ES/E27



3 Year Guarantee*



05838	240	7	BC/B22	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05839	240	7	SBC/B15	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05840	240	7	ES/E27	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05841	240	7	SES/E14	Warm White 2700K	500	35mm LED Opal Candle	25000	50



7W LED Non Dimmable Candle

Clear
Warm White
H 104mm Ø39mm
BC/B22 SBC/B15
SES/E14 ES/E27



3 Year Guarantee*

05820	240	7	BC/B22	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05821	240	7	SBC/B15	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05822	240	7	ES/E27	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05823	240	7	SES/E14	Warm White 2700K	500	35mm LED Clear Candle	25000	50



7W LED Dimmable Candle

Opal
Warm White
H 109mm Ø39mm
BC/B22 SBC/B15
SES/E14 ES/E27



3 Year Guarantee*

05842	240	7	BC/B22	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05854	240	7	SBC/B15	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05843	240	7	ES/E27	Warm White 2700K	500	35mm LED Opal Candle	25000	50
05844	240	7	SES/E14	Warm White 2700K	500	35mm LED Opal Candle	25000	50



7W LED Dimmable Candle

Clear
Warm White
H 104mm Ø39mm
BC/B22 SBC/B15
SES/E14 ES/E27



3 Year Guarantee*

05830	240	7	BC/B22	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05831	240	7	SBC/B15	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05832	240	7	ES/E27	Warm White 2700K	500	35mm LED Clear Candle	25000	50
05833	240	7	SES/E14	Warm White 2700K	500	35mm LED Clear Candle	25000	50





LED Decorative

• Round • GLS

	Code	V	W	Cap	Finish	lm	Description	Hrs	Box Qty	
4W LED Non Dimmable Round Opal Warm White BC H 71mm Ø45mm ES/SES H 78mm Ø45mm 3 Year Guarantee* 	05102	240	4	BC/B22	Warm White 2700K	250	45mm LED Opal Round	25000	50	
	05103	240	4	SES/E14	Warm White 2700K	250	45mm LED Opal Round	25000	50	
	05104	240	4	ES/E27	Warm White 2700K	250	45mm LED Opal Round	25000	50	
4W LED Non Dimmable Round Clear Warm White BC H 76mm Ø45mm ES/SES H 78mm Ø45mm 3 Year Guarantee* 	05708	240	4	BC/B22	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05709	240	4	SES/E14	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05710	240	4	ES/E27	Warm White 2700K	250	45mm LED Clear Round	25000	50	
4W LED Dimmable Round Clear Cool White/Warm White BC/B22 H 71mm Ø45mm SBC/B15 H 71mm Ø45mm SES/E14 H 78mm Ø45mm ES/E27 H 78mm Ø45mm 3 Year Guarantee* 	05187	240	4	BC/B22	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05184	240	4	SBC/B15	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05189	240	4	SES/E14	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05188	240	4	ES/E27	Warm White 2700K	250	45mm LED Clear Round	25000	50	
	05147	240	4	BC/B22	Cool White 4000K	250	45mm LED Clear Round	25000	50	
	05158	240	4	SBC/B15	Cool White 4000K	250	45mm LED Clear Round	25000	50	
	05149	240	4	SES/E14	Cool White 4000K	250	45mm LED Clear Round	25000	50	
	05148	240	4	ES/E27	Cool White 4000K	250	45mm LED Clear Round	25000	50	
	7W / 9W / 18W LED Non Dimmable GLS Pearl Warm White Cool White BC/B22 ES/E27 7W H 108mm Ø55mm 9W H 112mm Ø60mm 18W H 151mm Ø74mm 5 Year Guarantee*	05116	240	7	BC/B22	Warm White 2700K	470	LED Pearl GLS	30000	50
05117		240	7	ES/E27	Warm White 2700K	470	LED Pearl GLS	30000	50	
05118		240	7	BC/B22	Cool White 4000K	470	LED Pearl GLS	30000	50	
05119		240	7	ES/E27	Cool White 4000K	470	LED Pearl GLS	30000	50	
05719		240	9	BC/B22	Warm White 2700K	810	LED Pearl GLS	30000	50	
05720		240	9	ES/E27	Warm White 2700K	810	LED Pearl GLS	30000	50	
05724		240	9	BC/B22	Cool White 4000K	810	LED Pearl GLS	30000	50	
05725		240	9	ES/E27	Cool White 4000K	810	LED Pearl GLS	30000	50	
05625		240	18	BC/B22	Warm White 2700K	1600	LED Pearl GLS	30000	50	
05626		240	18	ES/E27	Warm White 2700K	1600	LED Pearl GLS	30000	50	
05627	240	18	BC/B22	Cool White 4000K	1600	LED Pearl GLS	30000	50		
05628	240	18	ES/E27	Cool White 4000K	1600	LED Pearl GLS	30000	50		

7W / 9W / 18W LED Dimmable GLS

Pearl
Warm White
Cool White
BC/B22
ES/E27

7W H 108mm Ø55mm
9W H 113mm Ø58mm
18W H 130mm Ø74mm
5 Year Guarantee*



05179	240	7	BC/B22	Warm White 2700K	470	LED Pearl GLS	30000	50
05181	240	7	ES/E27	Warm White 2700K	470	LED Pearl GLS	30000	50
05182	240	7	BC/B22	Cool White 4000K	470	LED Pearl GLS	30000	50
05183	240	7	ES/E27	Cool White 4000K	470	LED Pearl GLS	30000	50
05616	240	9	BC/B22	Warm White 2700K	810	LED Pearl GLS	30000	50
05617	240	9	ES/E27	Warm White 2700K	810	LED Pearl GLS	30000	50
05618	240	9	BC/B22	Cool White 4000K	810	LED Pearl GLS	30000	50
05619	240	9	ES/E27	Cool White 4000K	810	LED Pearl GLS	30000	50
05633	240	18	BC/B22	Warm White 2700K	1600	LED Pearl GLS	30000	50
05634	240	18	ES/E27	Warm White 2700K	1600	LED Pearl GLS	30000	50
05635	240	18	BC/B22	Cool White 4000K	1600	LED Pearl GLS	30000	50
05636	240	18	ES/E27	Cool White 4000K	1600	LED Pearl GLS	30000	50

9W LED Photocell Non Dimmable GLS

Pearl
Warm White
ES/E27
BC/B22

H 120mm Ø60mm
3 Year Guarantee*



05730	240	9	BC/B22	Warm White 2700K	810	LED Pearl GLS	25000	50
05731	240	9	ES/E27	Warm White 2700K	810	LED Pearl GLS	25000	50

Automatic dusk till dawn switching

7W LED Globe

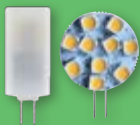
Warm White
ES/E27
H 111mm Ø80mm
3 Year Guarantee*



05726	240	7	ES/E27	Warm White 2700K	500	G80 LED Clear Globe	25000	50
05728	240	7	ES/E27	Warm White 2700K	500	G80 LED Opal Globe	25000	50

1.5 / 1.7 LED G4

Warm White
1.5W H 40mm W 15mm
1.7W H 35mm Ø25mm
3 Year Guarantee*



05660	12	1.7	G4	Warm White 2700K	120	LED Flat G4	20000	200
05645	12	1.5	G4	Warm White 2700K	120	LED G4 Capsule	20000	50
05100 Led Line Driver Max. 15W								



LED Filament Antique Bronze Dimmable

Energy saving LED replacement lamp featuring LED filament technology and antique bronzed coloured glass to closely resemble the look and feel of a traditional filament incandescent lamp.

- Available in 5W or 7.5W (ST64 & G125)
- 5W = 15,000 hour life, 7,500 switching cycles, 3 year warranty
- 7.5W = 10,000 hour life, 5,000 switching cycles, 2 year warranty
- 2200K extra warm white
- Colour rendering index Ra≥80
- BC-B22d or ES-E27 cap
- Antique bronze finish
- Dimmable - DuoDim™ Technology compatible with both leading and trailing edge dimmers*
- Recommended for indoor use only

**Oldest lamp
company in the
world since 1878**



Product Code	Watts (W)	Volts (V)	Cap	Colour Appearance	Colour Temp (K)	Total Lumens (lm)	Incandescent Equivalent (W)		
4221	5	240	BC-B22d	Extra Warm White	2200	410	35	64	138
4238	5	240	ES-E27	Extra Warm White	2200	410	35	64	140
4245	7.5	240	BC-B22d	Extra Warm White	2200	638	50	64	138
4252	7.5	240	ES-E27	Extra Warm White	2200	638	50	64	140
G80 - Single Carton									
4269	5	240	BC-B22d	Extra Warm White	2200	410	35	80	120
4276	5	240	ES-E27	Extra Warm White	2200	410	35	80	122
G95 - Single Carton									
4283	5	240	BC-B22d	Extra Warm White	2200	410	35	95	138
4290	5	240	ES-E27	Extra Warm White	2200	410	35	95	138
G125 - Single Carton									
4306	7.5	240	BC-B22d	Extra Warm White	2200	638	50	125	175
4313	7.5	240	ES-E27	Extra Warm White	2200	638	50	125	175



Energy saving LED replacement lamp featuring LED spiral filament technology and antique bronzed coloured glass to closely resemble the look and feel of a traditional spiral filament incandescent lamp.

- 2200K extra warm white
- Colour rendering index Ra>80
- 15,000 hour life, 7,500 switching cycles
- BC-B22d or ES-E27 cap
- Antique bronze finish
- Dimmable - DuoDim™ Technology compatible with both leading and trailing edge dimmers*
- Recommended for indoor use only

**Oldest lamp
company in the
world since 1878**



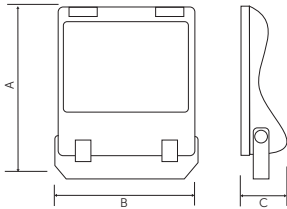
Product Code	Watts (W)	Volts (V)	Cap	Colour Appearance	Colour Temp (K)	Total Lumens (lm)	Incandescent Equivalent (W)		
ST64 - Single Carton									
6591	6	240	BC-B22d	Extra Warm White	2200	250	64	138	1
6607	6	240	ES-E27		2200	250	64	140	1
G80 - Single Carton									
6614	6	240	BC-B22d	Extra Warm White	2200	250	80	120	1
6621	6	240	ES-E27		2200	250	80	122	1

Contact Bentech UK for all options from Crompton Lamps
0208 900 2082 or email sales@bentechuk.com

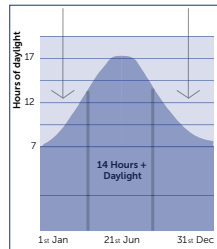


Asymmetric/Symmetric LED

Code	V	W	Description	Lm	Temp	lm/W	Peak Intensity	Hours
08850	110-240	80	80W Skyline Pro Symmetric Flood Light IP66	10000	4000	125	1332	50000
08851	110-240	80	80W Skyline Pro Asymmetric Flood Light IP66	10000	4000	125	499	50000
08852	110-240	80	80W SkyLight Pro 30° Flood Light IP66	10000	4000	125	2562	50000
08853	110-240	80	80W Skyline Pro 15° Flood Light IP66	10000	4000	125	5006	50000
08854	110-240	150	150W Skyline Pro Symmetric Flood Light IP66	20000	4000	133	1315	50000
08855	110-240	150	150W Skyline Pro Asymmetric Flood Light IP66	20000	4000	133	481	50000
08856	110-240	150	150W Skyline Pro 30° Flood Light IP66	20000	4000	133	2513	50000
08857	110-240	150	150W SkyLine Pro 15° Flood Light IP66	20000	4000	133	4800	50000
08858	110-240	240	240W Skyline Pro Symmetric Flood Light IP66	30000	4000	125	1339	50000
08859	110-240	240	240W Skyline Pro Asymmetric Flood Light IP66	30000	4000	125	502	50000
08860	110-240	240	240W Skyline Pro 30° Flood Light IP66	30000	4000	125	1567	50000
08861	110-240	240	240W Skyline Pro 15° Flood Light IP66	30000	4000	125	4587	50000



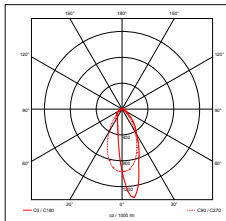
	80W	150W	240W
A (mm)	309	325	418
B (mm)	265	413	452
C (mm)	82	83	87



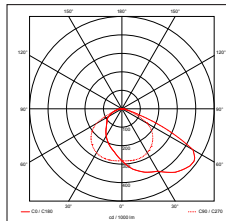
There is the potential for an additional 1000 - 1500 hours of activity every year after installing LED floodlighting at outdoor sporting facilities.

CIBSE Lighting Guide LG4.

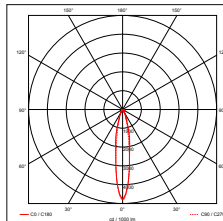
08854 150W Symmetric



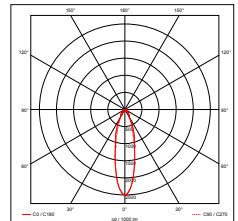
08855 150W Asymmetric



08857 150W 15° Projector



08856 150W 30° Projector



¹ Exceeds EU standard of 70 for Lumen Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)
⁴ Asymmetric version



Car park and football lighting

Benefits of lighting for car park & football clubs

As with many other outdoor sports, lighting gives the opportunity to play tennis for an increased amount of time throughout the year and encourage and support participation, coaching and development for all levels of play.

Taking bad weather into account, an all-weather court in England is available for about 2,500 hours of daylight playing time per year. Clubs with lighting have an enormous advantage over those without lighting, attracting

coaches, more players, extending playing times and gaining increased revenue from court fees during the winter months.

These same benefits will also be available to floodlit tennis court providers in all other sectors e.g. schools, colleges and Local Authority sports centres. The problem is that, of the estimated 30,000 courts available to tennis players in Great Britain, less than 1.5% are floodlit.

LTA Class 2 Scheme, 8M Column
Fittings: 12 x 240W Skyline Pro Floodlights
Details:
 PPA 300 Lux - 0.8 / TPA 250 Lux / ULR - 0%

LTA Class 3 Scheme, 8M Column
Fittings: 8 x 240W Skyline Pro Floodlights
Details:
 PPA 257 Lux - 0.6 / TPA 205 Lux / ULR - 0%





Arial LED Panels

- Professional LED Panel
- 0-10V Dimming or DALI Dimming options available
- Surface mount option
- Aluminium & white options
- Philips Driver
- Emergency option
- Anti-twist frame



Philips Driver



Code	W	Description	lm/W	lm	Temp	Finish	Hours
600 x 600 LED Panels							
09945	36	600 x 600 LED Panel	102	3700	2700K	Aluminium	50000
09946	36	600 x 600 LED Panel	102	3700	4000K	Aluminium	50000
09947	36	600 x 600 LED Panel	102	3700	6000K	Aluminium	50000
09948	36	600 x 600 LED Panel	102	3700	2700K	White	50000
09949	36	600 x 600 LED Panel	102	3700	4000K	White	50000
09950	36	600 x 600 LED Panel	102	3700	6000K	White	50000
09951	36	600 x 600 LED Panel Emergency	102	3700	2700K	Aluminium	50000
09952	36	600 x 600 LED Panel Emergency	102	3700	4000K	Aluminium	50000
09953	36	600 x 600 LED Panel Emergency	102	3700	6000K	Aluminium	50000
09954	36	600 x 600 LED Panel Emergency	102	3700	2700K	White	50000
09955	36	600 x 600 LED Panel Emergency	102	3700	4000K	White	50000
09956	36	600 x 600 LED Panel Emergency	102	3700	6000K	White	50000
1200 x 300 LED Panels							
09969	36	1200 x 300 LED Panel	102	3700	4000K	Aluminium	50000
09990	36	1200 x 300 LED Panel	102	3700	4000K	White	50000
09970	36	1200 x 300 LED Panel Emergency	102	3700	4000K	Aluminium	50000
09991	36	1200 x 300 LED Panel Emergency	102	3700	4000K	White	50000
1200 x 600 LED Panels							
09973	58	1200 x 600 LED Panel	103	6000	4000K	Aluminium	50000
09994	58	1200 x 600 LED Panel	103	6000	4000K	White	50000
09974	58	1200 x 600 LED Panel Emergency	103	6000	4000K	Aluminium	50000
09995	58	1200 x 600 LED Panel Emergency	103	6000	4000K	White	50000
Optional Extras							
09980	-	600 x 600 Surface Mounting Unit for LED Panels	-	-	-	White	-
09981	-	1200 x 300 Surface Mounting Unit for LED Panels	-	-	-	White	-
09982	-	1200 x 600 Surface Mounting Unit for LED Panels	-	-	-	White	-
09983	-	Hanging Suspension Kit for LED Panels	-	-	-	White	-
09985	-	Flush Mounting Kit for LED panels	-	-	-	White	-

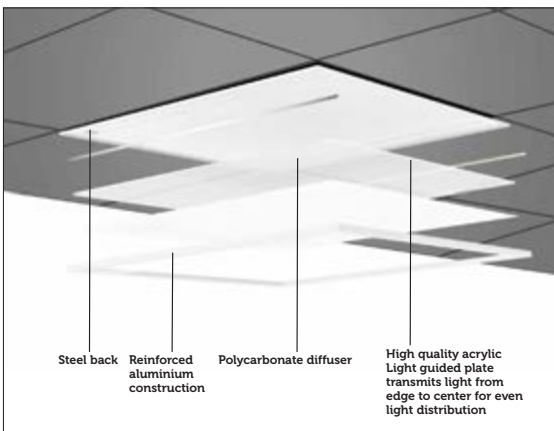
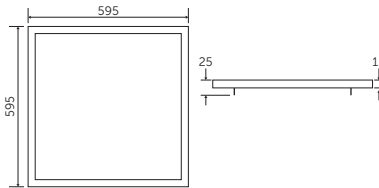
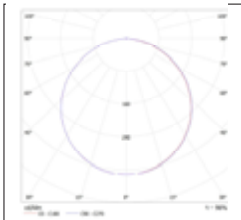
Contact Customer Service for 0-10/Dali Dimming options and Warm White/Daylight versions



Technical Specification

Data	
Construction	Aluminium + PMMA
Driver	Philips
LED Chip	Philips
IP Rating	IP20
Operating Temp	0°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio
ECA Compliant	Yes
L1A / L1B / L2A / L2B Compliant	Yes

LED Panel

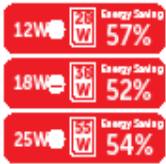


¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)



LED Bulkhead

- Ultra Slimline Decorative Fitting
- The Smart Replacement for 2D and PL Decorative Fittings
- No lamp replacement
- No maintenance
- 40,000 Hours
- 3 year guarantees
- IP54
- Cool White 4000K
- Emergency options
- Microwave sensor options



Code	W	Description	lms	lm/w	Temp	Hours
06740	12	Deco LED Bulkhead Standard On/Off	1056	88	4000K	40000
06741	18	Deco LED Bulkhead Standard On/Off	1620	90	4000K	40000
06742	25	Deco LED Bulkhead Standard On/Off	2150	86	4000K	40000
06743	12	Deco LED Bulkhead Emergency	1056	88	4000K	40000
06744	18	Deco LED Bulkhead Emergency	1620	90	4000K	40000
06745	25	Deco LED Bulkhead Emergency	2150	86	4000K	40000
06746	12	Deco LED Bulkhead Microwave Sensor	1056	88	4000K	40000
06747	18	Deco LED Bulkhead Microwave Sensor	1620	90	4000K	40000
06748	25	Deco LED Bulkhead Microwave Sensor	2150	86	4000K	40000
06749	12	Deco LED Bulkhead Microwave Sensor Emergency	1056	88	4000K	40000
06750	18	Deco LED Bulkhead Microwave Sensor Emergency	1620	90	4000K	40000
06751	25	Deco LED Bulkhead Microwave Sensor Emergency	2150	86	4000K	40000



Dura LED Integrated Anti Corrosive Batten

- The Smart Replacement for Single/Twin Fluorescent T8 and T5 Fixtures
- Injection moulded polycarbonate body - suitable for food environments
- Special high light transmission frosted polycarbonate diffuser for smooth uniform lighting
- Stainless steel clips
- Stainless steel suspension brackets
- Shatterproof
- IP65
- 3 year guarantee³



Corridor Dim versions supplied complete with infra-red remote control.

Quick and easy adjustment for multiple fittings; dimming level, presence detection, light levels & automatic on-off time. Average 4M range



6710	W	Description	lm	Temp	Hours
6711	30	Dura LED Anti Corrosive Batten (No Sensor)	2700	4000K	35000
6712	30	Dura LED Anti Corrosive Batten (No Sensor) Emergency 3 hour maintained	2700	4000K	35000
6713	30	Dura LED Anti Corrosive Batten with Microwave Sensor + Corridor Dim Function	2700	4000K	35000
		Dura LED Anti Corrosive Batten with Microwave Sensor Coming Soon			
6714	30	Dura LED Anti Corrosive Batten with Microwave Sensor	2700	4000K	35000
6715	30	Dura LED Anti Corrosive Batten with Microwave Sensor	2700	4000K	35000
6716	30	Dura LED Anti Corrosive Batten with Microwave Sensor	2700	4000K	35000
6717	60	Dura LED Anti Corrosive Batten with Microwave Sensor	5400	4000K	35000
6718	60	Dura LED Anti Corrosive Batten with Microwave Sensor Emergency 3 hour maintained	5400	4000K	35000
6719	60	Dura LED Anti Corrosive Batten (No Sensor)	5400	4000K	35000
		Dura LED Anti Corrosive Batten (No Sensor) Emergency 3 hour maintained			
6720	60	Dura LED Anti Corrosive Batten with Microwave Sensor + Corridor Dim Function	5400	4000K	35000
6721	60	Dura LED Anti Corrosive Batten with Microwave Sensor Coming Soon	5400	4000K	35000
	60	Dura Anti Corrosive Batten - Double Emergency / Microwave Sensor + Corridor Dim Function 1500mm (5ft)	5400	4000K	35000
		Dura LED Anti Corrosive Batten with Microwave Sensor Coming Soon	446	Red	30000
		Dura LED Anti Corrosive Batten with Microwave Sensor Coming Soon	-	4000K	30000
Code		Dura LED Anti Corrosive Batten with Microwave Sensor Coming Soon	446	Red	30000
6520	v	Dura LED Anti Corrosive Batten with Microwave Sensor Emergency 3 hour maintained	-		30000
6521	110-240	LED Amenity Bulkhead Black/Opal			
6522	110-240	LED Amenity Bulkhead Black/Red			
6523	110-240	LED Amenity Bulkhead Yellow /Red			
	110-240				



Asymmetric/Symmetric LED Floodlight

Designed and engineered in the UK specifically to meet the requirements for sports lighting and to reduce light pollution levels. The Skyline Pro is a high specification floodlight with a 70,000 hour lifespan, 5 year guarantee and one year on site warranty.

- Genuine replacement for 250/400/600W Metal Halide/Sodium Floodlight
- Perfect for sports, building facade's, landscape, security & car park lighting
- Asymmetric distribution, low light pollution*
- Up to 133 lm/W
- Surge protected up to 10,000 volts (250/240W) for lighting protection
- Cool White
- Aerodynamic, streamlined design for reduced windage
- Fully encapsulated IP66 TUV certified driver
- Nichia GRT-V1 LED / Meanwell Driver
- Long life 70,000 hours (L80 B10 @ 25° C)
- IK08
- Robust construction IP66
- Standard universal mounting bracket
- Supplied pre-flexed (1.5M), tool free entry and construction for simple and quick installation



80W	250W	MH/SON	Energy Saving 68%
150W	400W	MH/SON	Energy Saving 63%
240W	600W	MH/SON	Energy Saving 60%

Suitable for Site Lighting

110V

- On Site 1³ YEAR Warranty
- Quality Assisted 5³ YEAR Guarantee
- Surge Protected 10000 Volts 240W
- Surge protected 4000 Volts 80W / 150W
- Lumen Maintenance Ratio 80¹
- Colour Rendering Index 85²

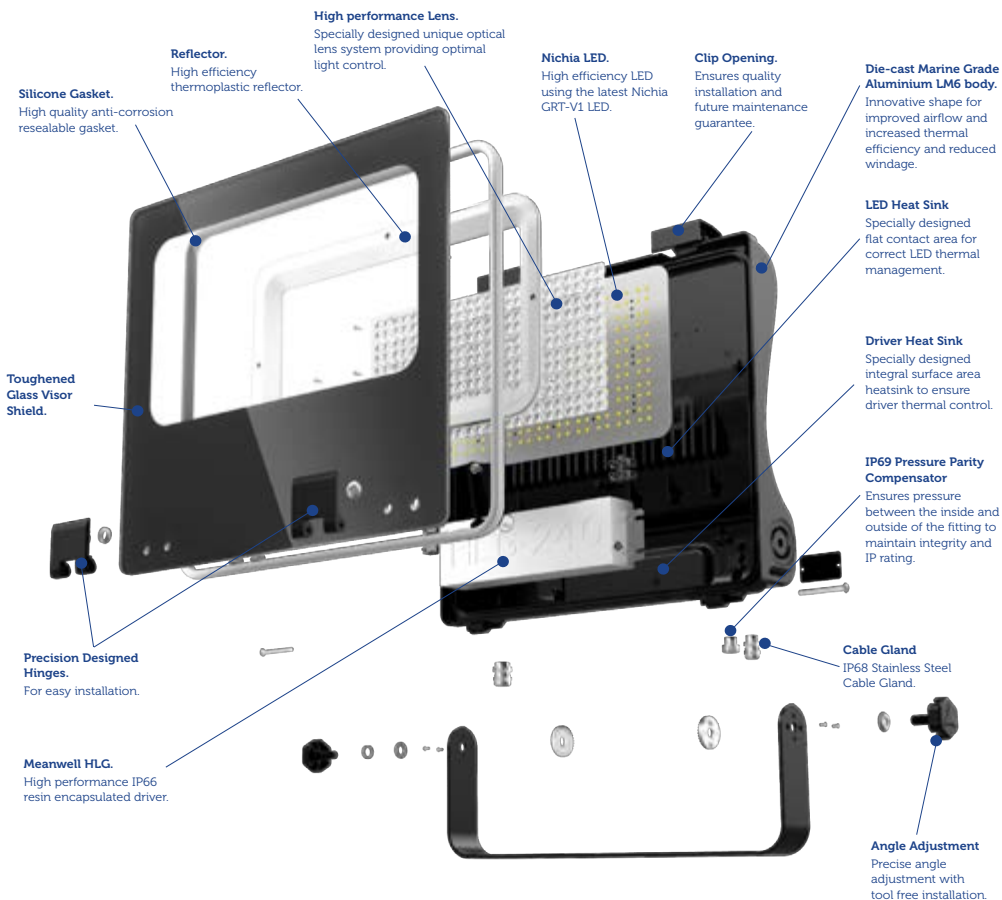
Data	
Construction	Polyester coated die-cast LM6 Marine Grade aluminium & toughened safety glass
Driver	Meanwell /HLG
LED Chip	Nichia GRT-V1
IP Rating	IP66
Operating Temp	-30°C to +35°C
Input Voltage	100 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio
ECA Compliant	Yes
Windage	80W 0.1M ² / 150W 0.12M ² / 240W 0.2M ²
Weight	80W - 4.6Kg / 150W - 6.8Kg / 240W - 8.9Kg



¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)
 * Asymmetric version



Asymmetric/Symmetric LED Floodlight







Spectrum LED Emergency Slim/Standard Exit Sign

Slim Exit Sign (09000)

- Injection moulded profile
- Supplied with New Up Legend as standard
- Sleek, low profile design
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Downward light feature
- Polycarbonate construction



Auto Self Test Indicator. No requirement for manual key test.

Normal operation: Green indicator illuminated

Battery failure: Red indicator flashes once every 3 seconds

Light source failure: Red indicator flashes twice every 3 seconds

Less than rated duration time: Red indicator flashes three times every 3 seconds

Downward light feature: To illuminate points of emphasis, fire fighting equipment, call points, first aid points, safety signs and exit doors.

09000 Legend Options



09001 New (ISO) Legend Reversible Left & Right

09003 New (ISO) Legend Down

09005 Old (Euro) Legend reversible Left & Right

09007 Old (Euro) Legend Down

09008 Old (Euro) Legend Up

Standard Exit Sign (09019)

- Supplied with New Up Legend as standard
- Robust design
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Downward light feature
- Steel construction



Downward light feature: To illuminate points of emphasis, fire fighting equipment, call points, first aid points, safety signs and exit doors.

09019 Legend Options



09020 New (ISO) Legend Left

09021 New (ISO) Legend Right

09022 New (ISO) Legend Down

09024 Old (Euro) Legend Left

09025 Old (Euro) Legend Right

09026 Old (Euro) Legend Down

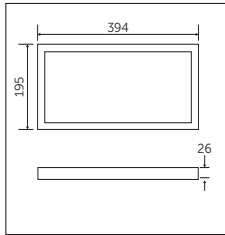
09027 Old (Euro) Legend Up

Spectrum

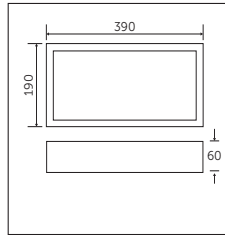
Technical Specification

Data	
Construction	09000 Polycarbonate / 09019 - Steel
LED Chip	Samsung
IP Rating	IP20
Operating Temp	-5°C to +35°C
Input Voltage	220-240V
Power Factor	> 0.9

09000 Slim Exit Sign



09019 Standard Exit Sign



Code	W	Description	Viewing Distance	Temp	Hours
09000	3	LED Emergency Slim Exit Sign including Up Legend . Maintained/Non Maintained	25M	6500K	25000
09001	-	New Legend Left + Right for Slim Exit Sign	-	-	-
09003	-	New Legend Down for Slim Exit Sign	-	-	-
09004	-	New Up Legend for Slim Exit Sign (spare accessory)	-	-	-
09005	-	Old Legend Left + Right for Slim Exit Sign	-	-	-
09007	-	Old Legend Down for Slim Exit Sign	-	-	-
09008	-	Old Legend Up for Slim Exit Sign	-	-	-
09019	4	LED Standard Exit Sign including Up Legend . Maintained/Non Maintained	25M	6500K	25000
09020	-	New Legend Left for Standard Exit Sign	-	-	-
09021	-	New Legend Right for Standard Exit Sign	-	-	-
09022	-	New Legend Down for Standard Exit Sign	-	-	-
09023	-	New Up Legend for Standard Exit Sign (spare accessory)	-	-	-
09024	-	Old Legend Left for Standard Exit Sign	-	-	-
09025	-	Old Legend Right for Standard Exit Sign	-	-	-
09026	-	Old Legend Down for Standard Exit Sign	-	-	-
09027	-	Old Legend Up for Standard Exit Sign	-	-	-



Spectrum LED Emergency Suspended Exit Blade

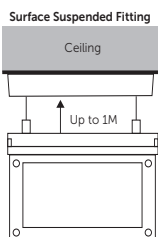
Surface Suspended (09009)

- Sleek, low profile design
- Supplied with New Up Legend as standard
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Viewable from both sides
- Drop up to 1M



Manual Push Test Indicator

Once activated, unit illuminates for 5 minutes to indicate fitting is functioning correctly. Key Test feature can also be used.



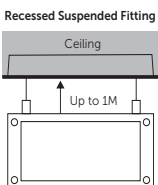
Recessed Suspended (09010)

- Sleek, low profile design
- Supplied with New Up Legend as standard
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Viewable from both sides
- Drop up to 1M



Manual Push Test Indicator

Once activated, unit illuminates for 5 minutes to indicate fitting is functioning correctly. Key Test feature can also be used.



09009 / 09010 Legend Options



09013 New (ISO) Legend Reversible Left & Right

09014 New (ISO) Legend Down

09016 Old (Euro) Legend Reversible Left & Right

09017 Old (Euro) Legend Down

09018 Old (Euro) Legend Up

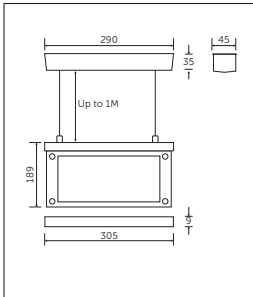


Spectrum

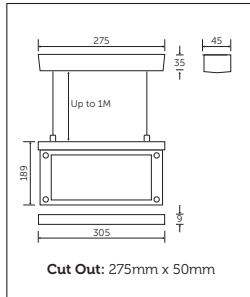
Technical Specification

Data	
Construction	Polycarbonate/Aluminium
LED Chip	Samsung
IP Rating	IP20
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9

09009 Surface Suspended Exit Blade



09010 Recessed Suspended Exit Blade



Code	W	Description	Viewing Distance	Temp	Hours
09009	2.5	LED Emergency Exit Blade Surface Suspended including Up Legend . Maintained/Non Maintained	25M	6500K	25000
09010	2.5	LED Emergency Exit Blade Recessed Suspended including Up Legend . Maintained/Non Maintained	25M	6500K	25000
09013	-	New Legend Left + Right for Exit Blade	-	-	-
09014	-	New Legend Down for Exit Blade	-	-	-
09015	-	New Legend Up for Exit Blades (spare accessory)	-	-	-
09016	-	Old Legend Left + Right for Exit Blade	-	-	-
09017	-	Old Legend Down for Exit Blade	-	-	-
09018	-	Old Legend Up for Exit Blade	-	-	-



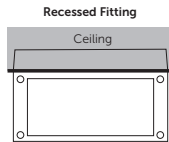
¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)



Spectrum LED Emergency Surface Exit Blade

Surface Recessed (09011)

- Sleek, low profile design
- Supplied with New Up Legend as standard
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Viewable from both sides

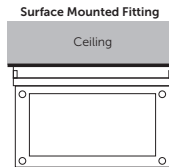


Manual Push Test Indicator

Once activated, unit illuminates for 5 minutes to indicate fitting is functioning correctly. Key Test feature can also be used.

Surface Mounted (09012)

- Sleek, low profile design
- Can be mounted to ceiling or wall
- Supplied with New Up Legend as standard
- Suitable for Commercial and Industrial installations
- Maintained and Non Maintained
- 25M Viewing Distance
- Viewable from both sides



Manual Push Test Indicator

Once activated, unit illuminates for 5 minutes to indicate fitting is functioning correctly. Key Test feature can also be used.



Rotating fixing, can be mounted to ceiling or wall at 90° angle

09011 / 09012 Legend Options



09013 New (ISO) Legend Reversible Left & Right



09014 (ISO) New Legend Down



09016 Old (Euro) Legend Reversible Left & Right



09017 Old (Euro) Legend Down

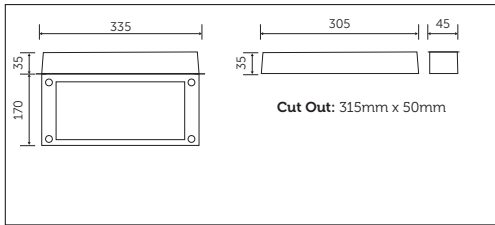


09018 Old (Euro) Legend Up

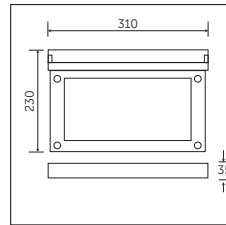
Technical Specification

Data	
Construction	Polycarbonate/Aluminium
LED Chip	Samsung
IP Rating	IP20
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9

09011 Recessed Exit Blade



09012 Surface Exit Blade



Code	W	Description	Viewing Distance	Temp	Hours
09011	2.5	LED Emergency Exit Blade Recessed including Up Legend. Maintained/Non Maintained	25M	6500K	25000
09012	2.5	LED Emergency Exit Blade Surface including Up Legend. Maintained/Non Maintained	25M	6500K	25000
09013	-	New Legend Left + Right for Exit Blade	-	-	-
09014	-	New Legend Down for Exit Blade	-	-	-
09015	-	New Legend Up for Surface Exit Blade (spare accessory)	-	-	-
09016	-	Old Legend Left + Right for Exit Blade	-	-	-
09017	-	Old Legend Down for Exit Blade	-	-	-
09018	-	Old Legend Up for Exit Blade	-	-	-



¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)



LED Emergency Downlight

3W Recessed Downlight (09030/1)

- Green charge indicator
- Complete with driver and fire rated sheathed battery pack
- Open Area/Corridor
- IP20
- 3W recessed



3W Open Area Recessed Downlight (09030) Spacing Table				
Open Area (0.5 lux minimum)				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	3	6	-	-
4	4.4	8.8	-	-
6	4.5	9	-	-

3W Corridor Recessed Downlight (09031) Spacing Table				
Escape Route (1 lux across central line)				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	5	10	-	-
4	7.4	14.8	-	-
6	-	-	-	-

5W Recessed Downlight (09032/3)

- Green charge indicator
- Complete with fire rated aluminum battery and driver
- Open Area/Corridor
- IP20
- 5W recessed Self Test as standard



Auto Self Test Indicator. No requirement for manual key test.

Normal operation: Green indicator illuminated
 Battery failure: Red indicator flashes once every 3 seconds
 Light source failure: Red indicator flashes twice every 3 seconds
 Less than rated duration time: Red indicator flashes three times every 3 seconds

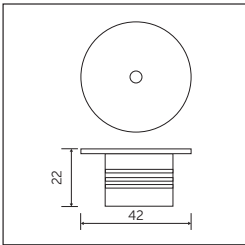
5W Open Area Recessed Downlight (09032) Spacing Table				
Open Area (0.5 lux minimum)				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	3.1	6.2	-	-
4	4.6	9.2	-	-
6	-	-	-	-

5W Corridor Recessed Downlight (09033) Spacing Table				
Escape Route (1 lux across central line)				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	6.3	12.6	-	-
4	9	18	-	-
6	-	-	-	-

Technical Specification

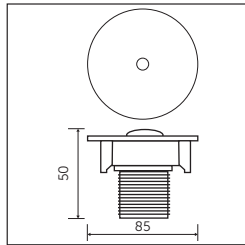
Data	
Construction	Polycarbonate
LED Chip	Samsung
IP Rating	IP20
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9

09030/09031 Downlight



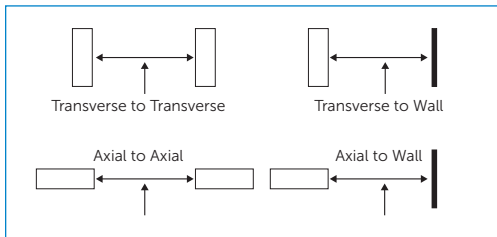
Cut Out: $\varnothing 34\text{mm}$

09032/09033 Downlight



Cut Out: $\varnothing 70\text{-}75\text{mm}$

Code	W	Description	Temp	lm	Hours
09030	3	LED Emergency Downlight Open Area. Non Maintained	6500K	121	25000
09031	3	LED Emergency Downlight Corridor. Non Maintained	6500K	66	25000
09032	5	LED Emergency Downlight Open Area. Non Maintained - Self Test	6500K	357	25000
09033	5	LED Emergency Downlight Corridor. Non Maintained - Self Test	6500K	282	25000



¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio
² Exceeds EU standard of Ra 80 for Colour Rendering Index
³ Subject to terms & conditions (Contact Customer Service)



LED Emergency IP65 / IP20 Twin Spot

5W IP65 Twin Spot (09035)

- Long Life
- Low Maintenance
- IP65
- Daylight 6500K
- 180° Rotation / Tilting Heads
- Exceeds performance of 2x20W Halogen
- Robust Construction
- Independent identification per lamp
- Suitable for indoor/outdoor use



Auto Self Test Indicator. No requirement for manual key test.

Normal operation: Green indicator illuminated

Battery failure: Red indicator flashes once every 3 seconds

Light source failure: Red indicator flashes twice every 3 seconds

Less than rated duration time: Red indicator flashes three times every 3 seconds

3W IP20 Twin Spot (09036)

- Long Life
- Low Maintenance
- IP20
- Daylight 6500K
- 180° Rotation / Tilting Heads
- Exceeds performance of 2x20W Halogen
- Robust Construction
- Independent identification per lamp
- Suitable for indoor use



Auto Self Test Indicator. No requirement for manual key test.

Normal operation: Green indicator illuminated

Battery failure: Red indicator flashes once every 3 seconds

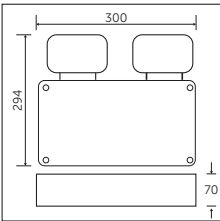
Light source failure: Red indicator flashes twice every 3 seconds

Less than rated duration time: Red indicator flashes three times every 3 seconds

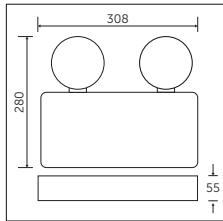
Technical Specification

Data	
Construction	Polycarbonate
LED Chip	Samsung
IP Rating	IP20/IP65
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9

09035 Twin Spot



09036 Twin Spot



Code	W	Description	Temp	lm	Hours
09035	5	LED Emergency Twin Spot IP65 Self Test. Non Maintained	6500K	514	25000
09036	3	LED Emergency Twin Spot IP20 Self Test. Non Maintained	6500K	417	25000



LED Emergency Bulkhead / Recessed

IP65 Bulkhead (09040)

- Long Life
- Low Maintenance
- IP65
- Includes full set of New Legends
- Old Legends also available
- Internal/external use
- Viewing distance 18M
- Daylight 6500K

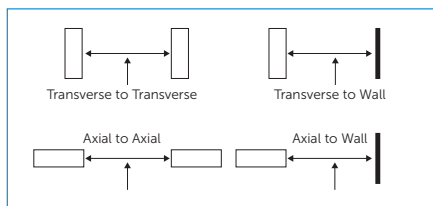


Includes all New (ISO) Legends



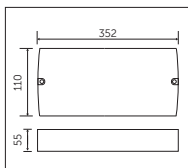
09043 Old (Euro) Legends Kit

3W Bulkhead (09040) Spacing Table				
Escape Route (1 lux across central line)				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	3.5	7	2.4	4.8
4	4	8	2.3	4.5
6	3.5	7	1.5	3
Open Area (0.5 lux minimum) Spacing Table				
Mounting Height (M)	Transverse To Wall	Transverse To Transverse	Axial To Wall	Axial To Wall
2.5	3.25	6.5	3	6
4	3.6	7.2	3	6
6	3.7	7.4	3.1	6.2



Technical Specification

Data	
Construction	Polycarbonate
LED Chip	Samsung
IP Rating	IP65
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9



09040 Bulkhead

Cut Out: 350mm x 110mm
When used with Semi Recessing Kit (09041)

Code	W	Description	Temp	lm	Hours
09040	3.3	LED Emergency Bulkhead IP65. Maintained/Non Maintained Includes set of 4 New Legends	6500K	190	25000
09041	-	Semi Recessing Kit for LED Emergency Bulkhead	-	-	-
09043	-	Old Legend Kit for Emergency Bulkhead (Set of 4)	-	-	-

Zeta 4

Zeta 4 small is a low cost LED bulkhead suitable for use as an escape route and open area luminaire, while providing extra versatility as an exit sign via the application of an optional adhesive legend kit.



Multi-functional usability (escape route, open-area and exit signage)

Exit sign adhesive legend available with 20m viewing distance

60,000 hour life LED (L80) for reduced maintenance costs

Switched maintained function to allow Maintained and non-maintained operation

Double sided diffuser for ceiling mounted exit sign application as an optional accessory

Double sided diffuser for ceiling mounted exit sign application as an optional accessory. Multi-functional usability (escape route, open-area and exit signage)

Exit sign adhesive legend available with 20m viewing distance

60,000 hour life LED (L80) for reduced maintenance costs

IP65 ingress protection suitable for indoor and outdoor applications

Small

Catalogue numbers

Part number	Description	Range	Weight (kg)
ZE42ML3	Maintained/Non maintained 3Hr Small	Zeta 4 small	0.5
ZE42LEG-ISO	20m viewing distance (Small) ISO7010 legend kit	Zeta 4 small	0.03
ZE42DB	20m viewing distance (Small) double sided diffuser	Zeta 4 small	0.2

Large

Catalogue numbers

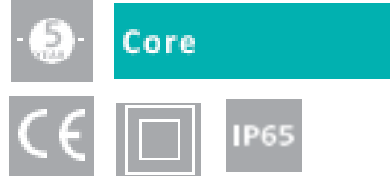
Part number	Description	Range	Weight (kg)
ZE43ML3	Maintained/Non maintained 3Hr Large	Zeta 4 large	0.9
ZE43LEG-ISO	30m viewing distance (Large) ISO7010 legend kit	Zeta 4 large	0.06
ZE43DB	30m viewing distance (Large) double sided diffuser	Zeta 4 large	0.5

**Bentech supply a wide range of Electrical Vehicle (EV)
Charging solutions for residential and commercial
buildings such as hotels and public car-parks –
please contact us for further information**



Velos

The Velos emergency exit sign family, with its class leading performance and attractive modern styling, utilises cutting edge materials and LED light source for a functional yet stylish appearance in a variety of indoor applications giving a common and consistent look and feel across a project.



Modular construction for maximum flexibility



First fix base and push fit connection, easy to install

Comfortably meets the requirements of EN1838 using innovative legend panel material

Low maintenance
50K hours life (L80)

Flexi joint accessory available for wall mounting and sloping ceiling applications



Can be operated in non-maintained or maintained mode for increased flexibility



Wire suspension available as an option

Dimensions

Type	Length (mm)	Width (mm)	Depth (mm)
Velos	346	224	69

Catalogue numbers

Part number	Description	Range	Weight (kg)
O-ESC-3H	Velos PSU Maintained 3h NiCD	Velos	0.55
O-ESP-IDD	Velos Legend ISO7010 Down/Down 30m	Velos	0.5
O-ESP-IUU	Velos Legend ISO7010 UP/UP 30m	Velos	0.5
O-ESP-IU	Velos Legend ISO7010 UP/BLANK 30m	Velos	0.5
O-ESP-ID	Velos Legend ISO7010 DOWN/BLANK 30m	Velos	0.5
O-ESP-ILR	Velos Legend ISO7010 LEFT/RIGHT 30m	Velos	0.5
O-ESA-FLEX	Velos Wall FLEXI Joint	Velos	0.05
O-ESA-RSA	Velos wire suspension adjustable 150cm	Velos	0.1

VIA8

Contemporary styling and high quality materials blend together perfectly to produce the attractive VIA8 range of pendant exit signs.

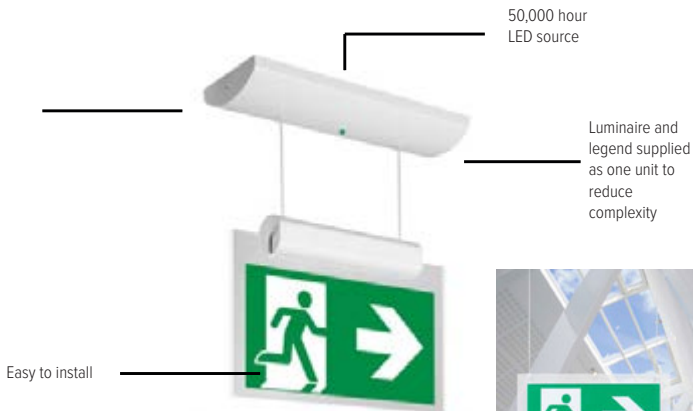
Core+

CE

IP20



Modern contemporary styling



60,000 hour life LED (L80) for reduced maintenance costs



Catalogue numbers

Part number	Description	Range	Weight (kg)
VIA8D-ISO	Maintained Arrow down - ISO7010 format	VIA8	1.1
VIA8LR-ISO	Maintained Arrow Left/Right - ISO7010 format	VIA8	1.1
VIA8U-ISO	Maintained Arrow Up - ISO7010 format	VIA8	1.1

Micropoint 2



Core+



IP44



Micropoint 2 is a high specification competitively priced emergency LED luminaire. Micropoint 2 utilises the latest LED and optic technology to provide an unobtrusive, high quality, high performance luminaire for indoor use where aesthetics are of prime importance. Micropoint 2 has been designed for ease of installation, reduced power consumption and minimal

Excellent spacing reducing the quantity of fittings required



Bespoke optic for escape route and open area (anti-panic) for optimal performance

Flexi joint accessory available for wall mounting and sloping ceiling applications

60,000 hour life LED for reduced maintenance

Catalogue numbers

Part number	Description	Range	Weight (kg)
MP2E3H	Micropoint2 3H MTD ESCAPE	Micropoint 2	0.45
MP2O3H	Micropoint2 3H MTD OPEN	Micropoint 2	0.45

IP67 LED EXIT BOX EMERGENCY LUMINAIRE

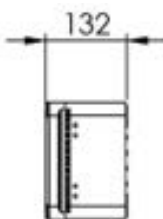
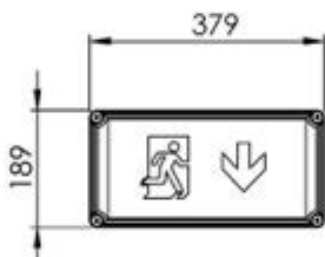
Fitzgerald^{FL}
Lighting your world



The LED IP67 EXIT BOX luminaire is a robust and durable exterior directional sign product. Designed to satisfy statutory requirements for Exit Signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. Operators of leisure centres, car parks, sport facilities, factories, and underground walkways will benefit from its tough, vandal resistant construction and ease of installation.

Product Specifications:

- Easy to install and maintain
- Removable internal gear tray
- Available in self-contained versions
- Available in mains and CBS versions
- IP67 as standard
- Supplied with LED lamp
- 30m viewing distance
- 5 year warranty



Materials:

- Housing - flame retardant grey ABS plastic
- Panel - flame retardant clear polycarbonate plastic
- Gear tray - powder coated sheet steel
- Batteries (self-contained) - 4.8V 1.3A/h

Emergency options:

- Non-Maintained 3 hour duration
- Maintained 3 hour duration



ISO 7010



EDF



ENG/ARABIC

Catalogue numbers

EXT REMS	Watts	Lumens	Weight
EXL/M3/67P	1	120	1.8Kg



Bentech supply a wide range of Offshore Lighting – contact us for more information

LED AX BULKHEAD EMERGENCY LUMINAIRE

Fitzgerald^{FL}
Lighting your world

IP65

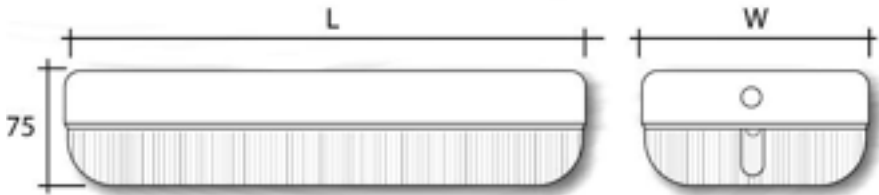


This versatile bulkhead is an ideal utility emergency luminaire for internal or external use.

An IP65 polycarbonate bulkhead fitting.

Applications:

- Emergency Exits
- Defined escape routes
- Building perimeters



Order Codes

LED AX	Lumens	E hour	Length 345	Width	Height
AXL/NM3	70	3	345	120	75
AXL/M3	70	3	345	120	75

Optional Accessories:

MXU/CR: Bulkhead legend arrow right

MXU/CL: Bulkhead legend arrow left

MXU/CU: Bulkhead legend arrow up

MXU/CD: Bulkhead legend arrow down

MXU: Universal set of all bulkhead legend arrows

Emergency Options:

/M3T: 3hr self test maintained emergency

/NM3T: 3hr self test non- maintained emergency

emergency

Product specification

- Non-maintained or maintained
- 3 hour emergency duration
- High temperature long life batteries
- Rated as IP65

LED TWIN SPOT EMERGENCY LUMINAIRE

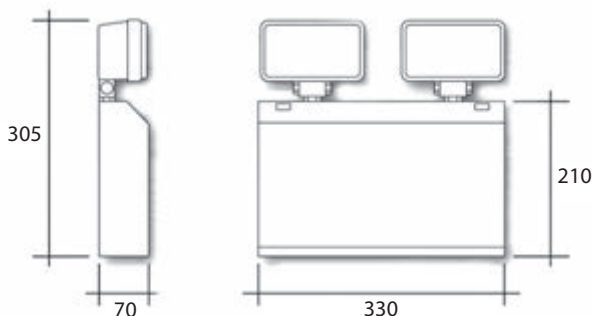
Fitzgerald^{FL}
Lighting your world

IP20

The Twin Spot range has been especially designed for high intensity emergency application such as high bay industrial use, warehouses, factories and supermarkets. All units have large swivel/tilt projector heads which can be adjusted independently to enable their beams to highlight specific areas.

Application:

- Defined escape routes
- Product Specifications:
 - White paint finish as standard
 - Rigid steel body
 - 3 hour emergency duration
 - High temperature long life batteries



Order Codes

LED Twinspot	Lumens	E hour	Length 345	Width	Height
TSL/NM3	240	3	330	305	70



LED Area Light

Zone 1/21, 2/22 High Power

The all new LED Area Light is a high efficiency luminaire certified for use in Zone 1/21 and 2/22 applications with an impressive light output.

- Up to 24,000 Lumen output depending on variant
- Suitable for floodlight and Highbay applications
- Suitable for use in Zone 1/21 and 2/22 with Industrial option also available
- Marine grade aluminium body
- High efficiency LED light engine for long service and low maintenance
- Supply voltage 220v – 240v 50/60Hz



XN Series

LED & Fluorescent Zone 2/22

A range of LED and Fluorescent linear luminaires suitable for Zone 2/22 applications with standard and emergency units available.

- Up to 10,000 Lumen output depending on variant
- Available in 2ft, 4ft and 5ft sizes for both standard and emergency applications
- High efficiency LED light source option for long service and low maintenance
- Moulded GRP body and polycarbonate diffuser
- Supply voltage 240v 50/60Hz



PLX Portable

LED Zone 1/21, 2/22

A range of portable LED light fittings with a highly robust and durable design for use in a wide variety of hazardous area applications.

- Up to 8,000 Lumen output depending on variant
- Suitable for use in Zone 1/21 and 2/22 with Industrial option also available
- High efficiency LED light source for long service and low maintenance
- Robust and highly durable design combined with innovative lightweight materials
- Supply voltage 110v / 240v 50/60Hz (low voltage options available)



6 series Wellglass/Bulkhead

Zone 1/21, 2/22

A versatile range of heavy duty Well Glass and Bulkhead luminaires for Zone 1/21 applications which can be supplied with a wide range of light sources.

- High temperature version available
- Wide range of light source options including LED, GLS and SON
- Heavy duty marine grade aluminium construction
- Ex de protection concept with integral terminal connection chamber
- Options include external reflectors, wire guards and fixings.
- Supply voltage 110v / 240v 50/60Hz



7 Series

LED & Fluorescent Zone 1/21

A range of linear LED and fluorescent Ex d luminaires available in both standard and emergency formats for use in Zone 1/21 applications.

- Up to 12,000 Lumen output depending on variant
- Available in 1ft, 2ft, 4ft, 5ft and 6ft sizes
- High efficiency LED light source option for long service and low maintenance
- Marine grade aluminium construction with polycarbonate diffuser
- Through wiring available
- Supply voltage supply voltage 110v / 240v 50/60Hz



9 Series LED/ Fluorescent Luminaire

Zone 1/21, 2/22 High Power

A range of standard and emergency linear luminaires suitable for Zone 1 applications in LED or Fluorescent option.

- Up to 10,000 Lumen output depending on variant
- Available in 2ft, 4ft and 5ft sizes
- Low maintenance, high efficiency LED light source option
- Captive polycarbonate diffuser with isolation switch for safe installation/maintenance
- Robust, heavy duty aluminium extruded body with polycarbonate end caps
- Through wiring available
- Supply voltage 110v / 240v 50/60Hz



Hazardous Area Lighting

Eaton's Crouse-Hinds series hazardous area lighting is ideal for use in areas made hazardous by the abnormal conditions, resulting in the presence of flammable vapors or gases and combustible dusts.



Champ® CPMVF Series Compact Fluorescent Luminaires

- Class I, Div. 2, Groups A, B, C, D
- Class II, Class III & Simultaneous Presence
- Class I, Zone 2
- For wall or vertical surface mounting where minimal luminaire depth is required Two 26, 32, or 42 watt lamps
- 3/4" NPT hub size



Champ® DMVF Series Fluorescent Luminaires for Combustible Dusts

- Class I, Div. 2, Groups A, B, C, D
- Class II, Class III & Simultaneous Presence Class I, Zone 2
- Zone 2 Ex nR IIC IEC 60079-15
- For areas made hazardous by the presence of combustible dusts Two 26, 32 or 42 watt lamps



Champ® N2MVF Non-metallic Fluorescent Luminaires

- Class I, Div. 2, Groups A, B, C, D
- Class II, Groups F, G
- Class III & Simultaneous Presence
- Used where moisture, vibration or corrosion are concerns 52 or 64W
- 3 mounting styles with hub sizes from 3/4" to 1 1/2"



Champ® VMVF Series Fluorescent Luminaires

- Class I, Div. 2, Groups A, B, C, D
- Class I, Zone 2, AEx nR II, Ex nR IIC IEC 60079-15
- Used for security lighting, parking areas, flour mills, sugar plants
- 42 watts
- 7 mounting styles with hub sizes from 3/4" to 1 1/2"



FVS Series Long Twin Tube Fluorescent Luminaires

- Class I, Div. 2, Groups B, C, D
- Class II, Div. 1, Groups E, F, G Class II, Div. 2, Groups F, G
- Class III, Simultaneous Presence
- For task-oriented lighting where low mounting heights exist Two 40 watt lamps



Hazard-Gard® EVLPF Series Low Profile Explosionproof Fluorescent Luminaires

- Class I, Div. 1, Groups B (GB suffix), C, D
- Class I, Zone 1, Groups IIB + H2 (GB suffix), IIB, IIA
- Class II, Div. 1, Groups E, F, G
- For areas with low mounting restrictions 52W or 64W
- 4 mounting styles



Pauluhn™ AllPro Series Linear Fluorescent Luminaires

- Class I, Div. 2, Groups A, B, C, D
- Class II, Div. 1, Groups E, F, G Class III
- Available with T5HO, T8 and T12 lamp types
- Available in aluminum or stainless steel

We also supply a wide range of Atex approved Sounders & Beacons

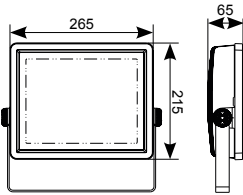




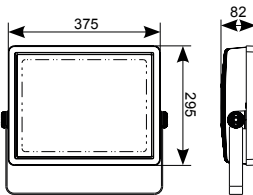
IP65

Polaris AC LED Floodlight

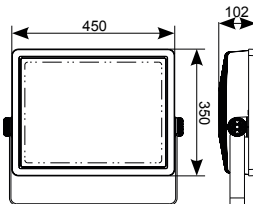
- Slim profile die-cast aluminium architectural floodlight
- No driver required
- IK10 rated
- 50W LED comparable light output to 70W HQI
- 100W LED exceeds performance of 150W HQI
- 200W LED comparable performance of 250W HQI
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- LED lifespan L70 40,000 hours
- Non-dimmable



APOLED50



APOLED100



APOLED200



APOLED50



APOLED100



APOLED200

Polaris AC LED Floodlight

Code	Lamp	Description
APOLED50	LED	50W - Cool White
APOLED100	LED	100W - Cool White
APOLED200	LED	200W - Cool White

Mira LED Floodlight



AMLED10



AMLED10/PIR

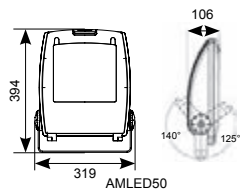
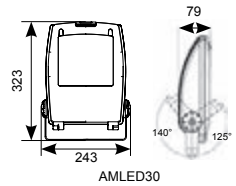
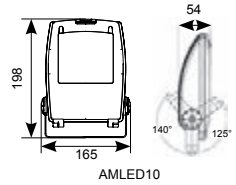


AMLED30



AMLED50

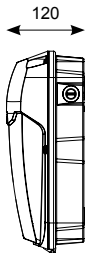
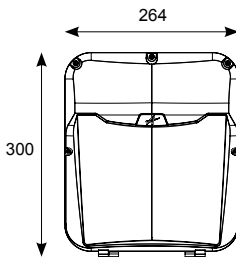
- Architectural slim die-cast LED floodlight
- 10W LED ideal for halogen replacement
- 30W LED comparable light output to 35W HQI
- 50W LED comparable light output to 70W HQI
- Optically textured glass for enhanced light output
- Heat sink design provides optimum LED life
- Graphite textured paint finish
- Pre-wired with 1 metre of rubber insulated cable for ease of installation
- PIR versions complete with manual override facility
- LED lifespan L70 50,000 hours
- Non-dimmable





Lynx LED Wallpack

- Robust wall mounted luminaire for general accent illumination
- Integral emergency option provides downward illumination with a beam angle of 60°
- Die-cast aluminium body with vandal resistant polycarbonate Fresnel lens diffuser
- Tamper-proof allen key screws supplied as standard
- Multiple conduit entry and BESA box fixing points
- Photocell and sensor options
- LED lifespan L70 56,000 hours

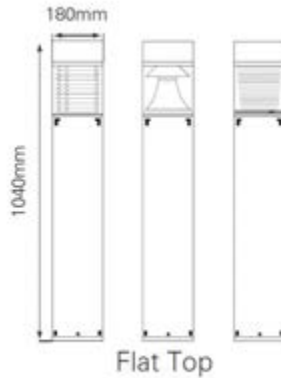
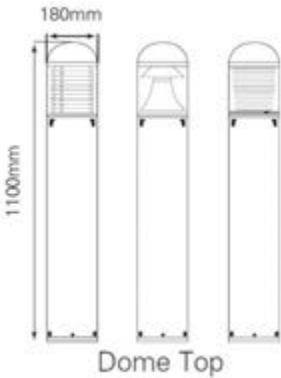
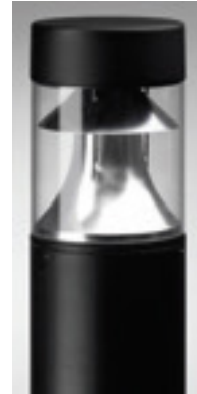


Bentech offer various other brands of Exterior Light Fittings – contact us on 0208 900 2082 or sales@bentechuk.com for further information

Edison Bollard



- Classical slim design blends into most environments
- Robust aluminium construction for a long durable life
- Choice of dome or flat top versions for customer choice
- Wide spacing and low glare louvred options
- High output 70W SON and MBI models where wide spacing is required
- Low energy 42W CFL model available including 3 hour emergency version to allow safe exit of the building perimeter
- Supplied with lamp



Lamp Options

- 70W SON E/I, 2000°K - E27 cap
- 70W MBI, 4200°K - E27 cap
- 42W TC-T compact fluorescent, 4000°K - GX24q-4 cap





Luminaire Spacings at Mid Point LUX Level

Cat No	Lamp Rating/Type	Top/Optic
Bollard - IP65 Luminaire - Including lamp		
BOLDR70S	70W SON	Dome Reflector c/w lamp
BOLDR70MH	70W MBIT	Dome Reflector c/w lamp
BOLDR42Z	42W CFL	Dome Reflector c/w lamp
EBBOLDR42Z	42W CFL	Emergency Dome Reflector c/w lamp
BOLDL70S	70W SON	Dome Louvre c/w lamp
BOLDL70MH	70W MBIT	Dome Louvre c/w lamp
BOLDL42Z	42W CFL	Dome Louvre c/w lamp
EBBOLDL42Z	42W CFL	Emergency Dome Louvre c/w lamp
BOLDF70S	70W SON	Dome Fresnel Lens c/w lamp
BOLDF70MH	70W MBIT	Dome Fresnel Lens c/w lamp
BOLDF42Z	42W CFL	Dome Fresnel Lens c/w lamp
EBBOLDF42Z	42W CFL	Emergency Dome Fresnel Lens c/w lamp
BOLFR70S	70W SON	Flat Reflector c/w lamp
BOLFR70MH	70W MBIT	Flat Reflector c/w lamp
BOLFR42Z	42W CFL	Flat Reflector c/w lamp
EBBOLFR42Z	42W CFL	Emergency Flat Reflector c/w lamp
BOLFL70S	70W SON	Flat Louvre c/w lamp
BOLFL70MH	70W MBIT	Flat Louvre c/w lamp
BOLFL42Z	42W CFL	Flat Louvre c/w lamp
EBBOLFL42Z	42W CFL	Emergency Flat Louvre c/w lamp
BOLFF70S	70W SON	Flat Fresnel Lens c/w lamp
BOLFF70MH	70W MBIT	Flat Fresnel Lens c/w lamp
BOLFF42Z	42W CFL	Flat Fresnel Lens c/w lamp
EBBOLFF42Z	42W CFL	Emergency Flat Fresnel Lens c/w lamp
BOLRMK		Root Mounting Kit
BOLRMP		Root Mounting Post



Solar Power Bollard Zeta

THE SMARTSCAPE SOLAR BOLLARD FROM ZETA SPECIALIST LIGHTING MODERN SOLAR POWERED SOLUTION FOR EXTERIOR WAYFINDING ILLUMINATION HAND MADE IN THE UK

FEATURES

- Integrated PV
- Zero trenching and running costs
- Low maintenance
- 5m detection range
- 10 day autonomy
- Energy and cost saving
- Carbon saving

APPLICATIONS

- Walkways and trails
- Cycle paths
- Parks
- Residential estates
- Industrial estates
- Heritage sites
- Educational campuses
- Car parks
- City Centre streets
- Driveways
- Docks and marina



Galaxy LED

LED Options

- Five lumen packages
- >70 CRI
- L70 30,000 hours
- 5000K cool white



Materials

- Body - die-cast aluminium powder coated black
- Lens - toughened glass
- Reflector - high purity, high reflectance, anodised aluminium
- Stirrup - steel powder coated in black finish

Installation Notes

- Suitable for column, wall and floor mounting
- Stirrup bolts directly to vertical surface for area floodlighting or to floor for façade lighting
- 3 way, 1 x 2.5mm² terminal block
- Aimed by slackening side bolts and positioning angle using inclinometer on stirrup
- Front lens secured by latching clip
- Supplied complete with 1m 3 core 1mm² lead



Catalogue Numbers

Part No	With PIR	Lumen Output	Wattage	Lm/cW	Weight (kg)	Weight + PIR (kg)
GLL105KZ	GLL105KZPIR	838	11.85	70.70	1.10	1.22
GLL305KZ	GLL305KZPIR	2655	32.80	81.30	2.97	2.99
GLL505KZ	-	4410	51.50	85.50	5.21	-
GLL1005KZ	-	7817	101.40	77.10	7.32	-
GLL2005KZ	-	17495	220.00	79.30	14.08	-



LED Flood



LED Flood presents the market with a high performance revelation in exterior LED area lighting. Up to five cool white 5000°K LED arrays are integrated into the robust die-cast aluminium housing, with the purpose designed reflector delivering a range of lumen packages to suit the application. The thermal mass and design of the housing provides excellent thermal management in conjunction with the appropriate drive current to maximise LED output and ensure a long operational life with minimal maintenance and eliminating the need for lamp changes. LEDs also provide the benefit of instant white light with no restrike delay and reduced consumption of energy over traditional HID lamps.

Lamp Options

- Multi-die LED arrays
- 5000°K cool white
- 65 CRI
- 700mA drive current, fixed output, >0.9pf LED driver

Materials

- Housing - die cast aluminium in black textured powder coated finish
- Reflectors - high purity, high reflectance, anodised aluminium
- Lens - toughened glass
- Mounting bracket - heavy gauge steel in black textured powder coat finish
- IP65 gearbox - anodised aluminium

Installation Notes

- Supplied with mounting bracket suitable for vertical or horizontal surfaces and column mounting
- Gearbox is direct mounted to the luminaire head

- **Long, 50,000+ hour LED life to L70, typically 10-12 years commercial operation with no lamp changes can dramatically reduce maintenance costs**

- **Robust, die-cast aluminium base with adjustable fixing bracket to suit wall or column mount installations**

- **IP65 rated construction, ideal for exterior use and ease of cleaning**

Options

- Photocell option for dusk 'til dawn operation enables automatic safety/security illumination whilst preventing wasted energy during daylight hours (to special order)
- Dimming control gear can provide further energy saving for appropriate applications
- Remote gearbox option allows low level or interior installation of the control gear (to special order)

Specification

To specify state: High performance multi die LED Floodlight, die-cast aluminium housing, anti-light pollution low glare floodlight, with asymmetric reflector, finished in textured black with close coupled control gear enclosure as Eaton's LED Flood range, part no. _____

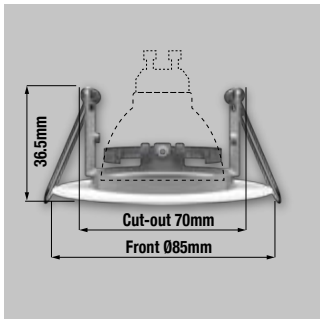
Part No	Lumen Output	Wattage	Llm/cW	Llm/cW	Weight (kg)
LFL1-3LRIZ	3155	39	75.98	70.70	8.0
LFL2-3LRIZ	6218	83	79.92	81.30	8.5
LFL3-3LRIZ	9327	124	79.92	85.50	8.5
LFL4-3LRIZ	12436	166	79.92	77.10	9.5
LFL5-3LRIZ	15546	194	79.92	79.30	9.5

New



Evofire IP65 Fire Rated Downlight

A new IP65 Fire Rated solution - engineered for LED
 Evolutionary - Canless design and no intumescent material



- ✓ Low profile body - Ideal for shallow ceilings
- ✓ Lightweight steel construction, easy to remove from ceiling to change lamps
- ✓ Quality assured with 3 Year Warranty
- ✓ High Quality powder coated finish



Order Code	Description	EAN 13 Barcode
Slimline		
ILD LFR70D001	Round fire rated downlight, white, 70mm cutout, includes GU10 lamp holder	5055788228325
ILD LFR70D001-4	Round fire rated downlight, white, 70mm cutout, includes GU10 lamp holder 4x Pack	5055788228356
ILD LFR70D003	Round fire rated downlight, white, 70mm cutout, with integrated Insulation Cover guard, includes GU10 lamp holder	5055788228448
ILD LFR70D011	Round fire rated downlight, white, 70mm cutout, excludes GU10 lamp holder	5055788228905
ILD LFR70D012	Round fire rated downlight, white, 70mm cutout, with integrated Insulation Cover guard, excludes GU10 lamp holder	5055788228943



**BRITISH
ELECTRIC
LAMPS**

FirestayLED

- Fixed / Centre Tilt / Showerlight IP65 Downlights
- 30 / 60 / 90 minutes certified firestay
- Part B / C / E compliant
- MR16/GU10 lamps
- Suitable for 12V or 240V lamps
- Loop in/out terminals for speed of installation
- Die-cast aluminium body
- Twist lock lamp retaining mechanism
- Part L compliant with BELL Titan/Classic LED GU10 and Classic LED MR16
- IP65 (Showerlight only)

One fitting to fit all standard type lamps

Simply choose a BELL lamp for the application required

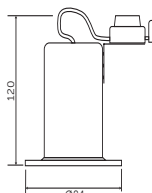
(See pages 56/57)



Technical Specification

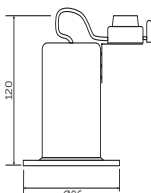


Fixed Downlight



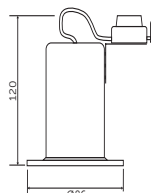
Cut-Out: 70mm

Centre Tilt Downlight



Cut-Out: 80mm

Showerlight IP65



Cut-Out: 75mm

Code	V	Description	Finish	Cut Out
08590	12/240	Fixed Downlight	White	70
08591	12/240	Fixed Downlight	Matt White	70
08592	12/240	Fixed Downlight	Satin Nickel	70
08593	12/240	Fixed Downlight	Chrome	70
08594	12/240	Fixed Downlight	Satin Silver	70
08595	12/240	Fixed Downlight	Antique Brass	70
08596	12/240	Fixed Downlight	Brass	70
08583	12/240	Centre Tilt Downlight	White	80
08584	12/240	Centre Tilt Downlight	Matt White	80
08585	12/240	Centre Tilt Downlight	Satin Nickel	80
08586	12/240	Centre Tilt Downlight	Chrome	80
08587	12/240	Centre Tilt Downlight	Satin Silver	80
08588	12/240	Centre Tilt Downlight	Antique Brass	80
08589	12/240	Centre Tilt Downlight	Brass	80
08572	12/240	Showerlight IP65	White	75
08573	12/240	Showerlight IP65	Matt White	75
08574	12/240	Showerlight IP65	Satin Nickel	75
08575	12/240	Showerlight IP65	Chrome	75
08576	12/240	Showerlight IP65	Satin Silver	75
08577	12/240	Showerlight IP65	Antique Brass	75
08578	12/240	Showerlight IP65	Brass	75

COB Integrated Eco LED Fixed / Tilt Downlight

- 30/60/90 minutes certified firestay
- Fixed Downlight IP65
- Centre Tilt Downlight IP20
- Includes Satin & White Magnetic Bezels
- Part B / C / E compliant
- Plug & Play Fitting
- 6 in 1 Fixture, 3 colour temperatures, 2 bezels

Plug & Play Fitting
Quick release connector for ease of insulation resistance testing



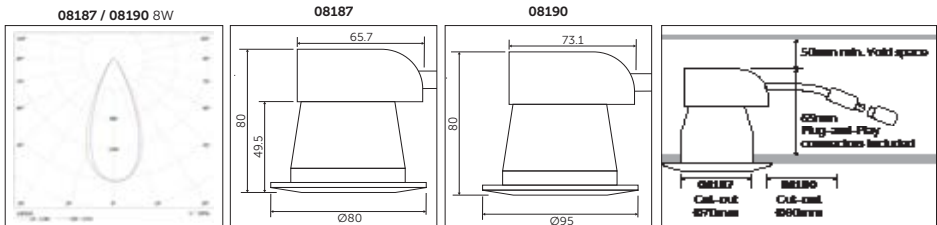
Simply move the slider control to your desired colour temperature



Code	Description	Colour Temperature	lm	cd	Beam0	Hrs
08187	8W Eco Fire Rated Downlight, IP65, Selectable Colour Temp, Dimmable, incl White & Satin Bezels	3000K/4000K/6000K	530/550/600	530	400	50000
08188	Brass Bezel for 8W Eco Fire Rated Downlight	n/a	n/a	n/a	n/a	n/a
08189	Chrome Bezel for 8W Eco Fire Rated Downlight	n/a	n/a	n/a	n/a	n/a
08193	White Spacer Plate for 08187 (100mm cut out)	n/a	n/a	n/a	n/a	n/a
08194	Satin Spacer Plate for 08187 (100mm cut out)	n/a	n/a	n/a	n/a	n/a
08190	8W Eco Fire Rated Centre Tilt Downlight, IP20, Selectable Colour Temp, Dimmable, incl White & Satin Bezels	3000K/4000K/6000K	530/550/600	530	400	50000
08191	Brass Bezel for 8W Eco Centre Tilt Fire Rated Downlight	n/a	n/a	n/a	n/a	n/a
08192	Chrome Bezel for 8W Eco Centre Tilt Fire Rated Downlight	n/a	n/a	n/a	n/a	n/a

Technical Specification

Data	
Construction	Die-Cast Aluminium
Driver	On Board
LED Chip	Epistar
IP Rating	08187 IP65 / 08190 IP20
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio



ABB

Adaptaflex
Flexible Conduit Systems

COOPER
Bussmann

EAT•N

ERICO

:hager

PANDUIT

PHOENIX CONTACT

SIBA
FUSES

SIEMENS

SQUARE D

Telemecanique

WYLEX



NM All Metal Consumer Units



NM1406

MAIN SWITCH

CAT REF	MS RATING	*WAYS
NM206/40	40A	2
NM206/63	63A	2
NM506	100A	5
NM806	100A	8
NM1106	100A	11
NM1406	100A	14
NM1906	100A	19

FLEXIBLE MAIN SWITCH

CAT REF	MS RATING	*WAYS
NM506FLEX	100A	5
NM806FLEX	100A	8
NM1106FLEX	100A	11
NM1406FLEX	100A	14
NM1906FLEX	100A	19



NMRS10SSLMHI

HIGH INTEGRITY

CAT REF	30mA	30mA	MS	MS	TOTAL
	RCD WAYS	RCD WAYS	RATING	WAYS *	
	MCB	MCB			
NMRS23206	2	3	100A	2	7
NMRS44206	4	4	100A	2	10
NMRS43306	4	3	100A	3	10
NMRS33406	3	3	100A	4	10
NMRS76206	7	6	100A	2	15
NMRS66306	6	6	100A	3	15
NMRS46506	4	6	100A	5	15
NMRS55506	5	5	100A	5	15
NMRS45606	4	5	100A	6	15

FLEXIBLE HIGH INTEGRITY

NMRS7SSLMHI	1 to 4	1 to 4	100A	1 to 4	7
NMRS10SSLMHI	2 to 5	2 to 5	100A	2 to 5	10
NMRS15SSLMHI	2 to 9	2 to 9	100A	2 to 9	15



NMRS12SLM

SPLIT LOAD

CAT REF	RCD RATING	MCB WAYS	MS RATING	*WAYS
NMRS2406	80A 30mA	2	100A	4
NMRS3306	80A 30mA	3	100A	3
NMRS4206	80A 30mA	4	100A	2
NMRS5406	80A 30mA	5	100A	4
NMRS4506	80A 30mA	4	100A	5
NMRS3606	80A 30mA	3	100A	6
NMRS6306	80A 30mA	6	100A	3
NMRS3906	80A 30mA	3	100A	9
NMRS4806	80A 30mA	4	100A	8
NMRS6606	80A 30mA	6	100A	6
NMRS5706	80A 30mA	5	100A	7
NMRS7506	80A 30mA	7	100A	5
NMRS8406	80A 30mA	8	100A	4
NMRS9306	80A 30mA	9	100A	3
NMRS12506	80A 30mA	12	100A	5
NMRS11606	80A 30mA	11	100A	6
NMRS10706	80A 30mA	10	100A	7
NMRS61106	80A 30mA	6	100A	11
NMRS71006	80A 30mA	7	100A	10
NMRS9806	80A 30mA	9	100A	8
NMRS8906	80A 30mA	8	100A	9
NMRS51206	80A 30mA	5	100A	12



NMRS4506



NMIS5506



NMRS1106



NMSTM9SLM

FLEXIBLE SPLIT LOAD

CAT REF	RCD RATING	MCB WAYS		MS	MS	* WAYS	* WAYS	
		MIN	MAX	RATING	RATING	MIN	MAX	TOTAL
NMRS6SLM	80A 30mA	2	4	100A	100A	2	4	6
NMRS9SLM	80A 30mA	3	6	100A	100A	3	6	9
NMRS12SLM	80A 30mA	3	9	100A	100A	3	9	12
NMRS17SLM	80A 30mA	5	12	100A	100A	5	12	17

DUAL RCD 2 x 80A 30mA RCD

CAT REF	MS WAYS	RCD 1		RCD 2	MS	TOTAL No of
		MCB WAYS	MCB WAYS	MCB WAYS	RATING	MCB WAYS
NMISS3406	-	3	4	100A	7	
NMISS4606	-	4	6	100A	10	
NMISS5506	-	5	5	100A	10	
NMISS8706	-	7	8	100A	15	

FLEXIBLE DUAL RCD 2 x 80A 30mA RCD

CAT REF	MS WAYS	RCD 1		RCD 2	TOTAL No of
		MCB WAYS	MCB WAYS	MCB WAYS	MCB WAYS
NMISS10SLM	-	6 Max	6 Max	10	
NMISS15SLM	-	9 Max	9 Max	15	

RCD INCOMER

CAT REF	RCD 1		RCD 2	
	MCB WAYS	MCB WAYS	MCB WAYS	MCB WAYS
NMRS206/40	40A 30mA		2	
NMRS206/63	63A 30mA		2	
NMRS506	100A 30mA		5	
NMRS806	100A 30mA		8	
NMRS1106	100A 30mA		11	
NMRM206/40	40A 100mA		2	
NMRM206/63	63A 100mA		2	
NMRM506	100A 100mA		5	
NMRM806	100A 100mA		8	
NMRM1106	100A 100mA		11	
NMTM506	100A 100mA time delay		5	
NMTM806	100A 100mA time delay		8	
NMTM1106	100A 100mA time delay		11	
NMTM1406	100A 100mA time delay		14	
MNTM1906	100A 100mA time delay		19	

Duplex All Metal Consumer Units & FAL Skeleton Units



NMDIS1111



FALNHR10SL

SPLIT LOAD DUPLEX

CAT REF	TOP BANK		BOTTOM BANK	MCB
	MS RATING	WAYS	RCD RATING	WAYS
NMDIS88	100A	8	80A 30mA	8
NMDIS1111	100A	11	80A 30mA	11
NMDIS1414	100A	14	80A 30mA	14
NMDIS1919	100A	19	80A 30mA	19

HIGH INTEGRITY DUPLEX 2 x RCDS, 1x 100A MAIN SWITCH

CAT REF	BOTTOM BANK		TOP BANK	TOTAL	
			80A 30mA	80A 30mA	MS
			RCD WAYS	RCD WAYS	* WAYS
NMDRS14SSLHI	-	8	Flexi	Flexi	14
NMDRS20SSLHI	-	11	Flexi	Flexi	20
NMDRS26SSLHI	-	14	Flexi	Flexi	26
NMDRS36SSLHI	-	19	Flexi	Flexi	36

HIGH INTEGRITY DUPLEX 3 x RCDS, 1x 100A MAIN SWITCH

CAT REF	BOTTOM BANK		TOP BANK	TOTAL	
			80A 30mA	80A 30mA	MS
			RCD WAYS	RCD WAYS	* WAYS
NMDRS12HI	Flexi	Flexi	Flexi	Flexi	12
NMDRS18HI	Flexi	Flexi	Flexi	Flexi	18
NMDRS24HI	Flexi	Flexi	Flexi	Flexi	24
NMDRS34HI	Flexi	Flexi	Flexi	Flexi	34

DUAL RCD DUPLEX 2 x RCDS, 100A MAIN SWITCH

CAT REF	BOTTOM BANK		TOP BANK	TOTAL	
			80A 30mA	80A 30mA	MS
			RCD WAYS	RCD WAYS	* WAYS
NMDISS119	-	11	9	-	20
NMDISS1214	-	14	12	-	26



DUAL TARIFF DUPLEX

CAT REF	MS RATING	TOP BANK		BOTTOM	* WAYS
		* WAYS	MS RATING		
NMDIIX88	100A	8	100A	BANK	8
NMDIIX1111	100A	11	100A		11
NMDIIX1414	100A	14	100A	-	14
NMDIIX1919	100A	19	100A	-	19
CAT REF	MS RATING	* WAYS	RCD RATING	MCB	WAYS
NMDISX88	100A	8	80A 30mA		8
NMDISX1111	100A	11	80A 30mA		8
NMDISX1414	100A	14	80A 30mA		11
NMDISX1919	100A	19	80A 30mA		14



DUAL TARIFF DUPLEX

B CURVE	C CURVE	RATING	POLES	MODULES
-	NHXC03	3A	1	1
NHXB06	NHXC06	6A	1	1
NHXB10	NHXC10	10A	1	1
NHXB16	NHXC16	16A	1	1
NHXB20	NHXC20	20A	1	1
	NHXB25	25A	1	1
NHXB32	NHXC32	32A	1	1
NHXB40	NHXC40	40A	1	1
NHXB50	NHXC50	50A	1	1



Consumer Unit Outgoing Devices & Control Modules



**NHXB06 NHXB1 NHXB32 NHXB50
NHXB10 NHXB20 NHXB40**

NSBS RCBO (combined MCB / RCD device)

B CURVE	C CURVE	CURRENT		POLES	MODULES
		RATING	RCD RATING		
NHXSBS1B06	NHXSBS1C06	6A	30mA	1	1
NHXSBS1B10	NHXSBS1C10	10A	30mA	1	1
NHXSBS1B16	NHXSBS1C16	16A	30mA	1	1
NHXSBS1B20	NHXSBS1C20	20A	30mA	1	1
NHXSBS1B32	NHXSBS1C32	32A	30mA	1	1
NHXSBS1B40	NHXSBS1C40	40A	30mA	1	1
NHXSBS1B50	NHXSBS1C50	50A	30mA	1	1

NSBS RCBO (combined MCB / RCD device)

B CURVE	C CURVE	CURRENT		POLES	MODULES
		RATING	RCD RATING		
NHXSBS1B06	NHXSBS1C06	6A	30mA	1	1
NHXSBS1B10	NHXSBS1C10	10A	30mA	1	1
NHXSBS1B16	NHXSBS1C16	16A	30mA	1	1
NHXSBS1B20	NHXSBS1C20	20A	30mA	1	1
NHXSBS1B32	NHXSBS1C32	32A	30mA	1	1
NHXSBS1B40	NHXSBS1C40	40A	30mA	1	1
NHXSBS1B50	NHXSBS1C50	50A	30mA	1	1



**NHXSBS1B06 NHXSBS1B16 NHXSBS1B32 NHXSBS1B50
NHXSBS1B10 NHXSBS1B20 NHXSBS1B40**

NH ACCESSORIES

CAT REF	PRODUCT	MODULE
NMMB	Metal blanking plate - Twist fit	1
NHB1PP	Blanking plate - Busbar & cover (insulated 960°C)	1



Low, Medium and High voltage switch gear products available from Bentech UK

DISTRIBUTION & PROTECTION



CONTROL GEAR



AUTOMATION



CONDUCTORS BARE CONDUCTORS, BARE STRANDED & TINNED CONDUCTORS



Bare aluminium tape

Part no.	Conductor size (X x Y) (mm)
TA005	12.5 x 1.5
TA020	20 x 3
TA030	25 x 3
TA042	30 x 3
TA040	25 x 6
TA068	40 x 6
TA080	50 x 6

Bare copper tape

Part no.	Conductor size (X x Y) (mm)
TC005	12.5 x 1.5
TC010	12.5 x 3
TC015	20 x 1.5
TC020	20 x 3
TC020/100	20 x 3
TC025	25 x 1.5
TC026	25 x 2
TC030	25 x 3
TC030/50	25 x 3
TC030-UL	1" x 18"
TC035	25 x 4
TC040	25 x 6
TC040-UL	1" x 14"
TC039	30 x 2
TC042	30 x 3
TC044	30 x 4
TC043	30 x 5
TC045	31 x 3
TC048	31.5 x 4
TC050	31 x 6
TC055	38 x 3
TC060-FU	38 x 5
TC065	38 x 6
TC067	40 x 3
TC066	40 x 4
TC071	40 x 5
TC068	40 x 6
TC069	40 x 6.3
TC070	50 x 3
TC075	50 x 4
TC078	50 x 5
TC080	50 x 6
TC082	50 x 6.3
TC090	50 x 7

Bare stranded copper cable

Part no.	Cross sectional area (mm)
Soft drawn stranded copper cable	
CB006	6
CB016	16
CB025	25
CB035	35
CB050-FU	50
CB070	70
CB095	95
CB120	120
CB150-FU	150
CB185	185
CB240	240
CB300-FU	300
CB400-FU	400

Tinned soft drawn stranded copper cable

CB070-T | 70

Hard drawn stranded copper cable

CB071 | 70



Tinned copper tape

Part no.	Conductor size (X x Y) (mm)
TC225-FU	12.5 x 1.5
TC230	25 x 3
TC230-UL	1" x 18"
TC239	30 x 2
TC240	25 x 6
TC245	31 x 3
TC260	38 x 5
TC280	50 x 6



Bare solid circular

Part no.	Diameter (A) (mm)
Copper conductor	
CD035	Ø 8
Aluminium conductor	
CD080	Ø 8

CONDUCTORS BARE CONDUCTORS, BARE STRANDED & TINNED CONDUCTORS



Covered copper tape

Part no.	Conductor Size(X x Y) (mm)	Colour range
TC100	12.5 x 1.5	Black
TC105/N	25 x 3	Black
TC110/N	25 x 3	Green
TC110/50	25 x 3	Green
TC115/N	25 x 3	Grey
TC120/N	25 x 3	Stone
TC125/N	25 x 3	Whxite
TC130/N	25 x 3	Brown
TC140/N	25 x 6	Green
TC145/N	50 x 6	Green



Green & yellow PVC insulated stranded copper cable

Part no.	Conductor Size(X x Y) (mm)
CC016	16
CC025	25
CC035	35
CC050	50
CC070	70
CC095	95
CC120-FU	120
CC150-FU	150
CC185	185
CC240	240
CC300	300
CC400-FU	400



PVC covered aluminium tape

Part no.	Conductor Size(X x Y) (mm)	Colour range
TA100	12.5 x 1.5	Black
TA104	20 x 3	Black
TA105	25 x 3	Black
TA110	25 x 3	Green
TA115	25 x 3	Grey
TA120	25 x 3	Stone
TA125		White
TC130/N		Brown



Green & yellow PVC insulated copper tape

Part no.	Conductor Size(X x Y) (mm)
TC111/N	25 x 3



LSOH covered copper tape

Part no.	Conductor Size(X x Y) (mm)	Colour range
TC910/N	25 x 3	Green
TC910/50	25 x 3	Green
TC940/N	25 x 6	Green
TC980/N	50 x 6	Green



PVC covered aluminium solid circular

Part no.	Colour range
CD036	
CD038	Black
CD039	Grey
CD040	Stone
CD041	White
	Brown



PVC covered copper solid circular

Part no.	Colour range
CD036	
CD038	Black
CD039	Grey
CD040	Stone
CD041	White
	Brown



Hard drawn copper bar

Part no.	Overall nominal bar size (X x Y) (mm)
----------	---------------------------------------

Bare hard drawn bar

BA205	25 x 3
BA210	25 x 6
BA225	38 x 6
BA230	50 x 6
BA235	50 x 10
BA240	75 x 6
BA250-FU	100 x 6

CONDUCTOR NETWORK METALLIC CONDUCTOR CLIPS



Swing lid DC tape clip

Part no.	Conductor size (mm)
For use with bare copper	
CP210-H	25 x 3
CP220-H	25 x 6
For use with bare aluminium	
CP110-H	25 x 3
CP120-H	25 x 6



Stable DC tape clip

Part no.	Conductor size (mm)
For use with bare copper	
CP230-H	31 x 3 and 31 x 6
CP240-H	38 x 3, 38 x 6 and 40 x 6
CP260-H	50 x 3 and 50 x 6



One hole cable clip

Part no.	Conductor Size (mm)	Conductor material
For use with solid circular conductor		
CP905	Ø 8	Copper
CP925	Ø 8	Aluminium
CP915	Ø 10*	Copper
CP935	Ø 10*	Aluminium
For use with stranded conductor		
CP910	50 mm ²	Copper
CP915	70 mm ²	Copper
CP920	95 mm ²	Copper

PVC covered 8 mm conductor



Tape Clip

Part no.	Conductor size (mm)
For use with bare copper	
CP510	20 x 3
CP515	25 x 3
For use with bare aluminium	
CP405	20 x 3
CP410	25 x 3
CP415	25 x 6
For use with PVC covered tape	
CP517	25 x 3



Adjustable DC tape clip

Part no.	Conductor size (mm)
For use with bare copper	
CP205	20 x 3
CP216	25 x 4
CP227	30 x 5
CP245	38 x 5
CP241	40 x 4
CP256	50 x 4
For use with PVC covered copper	
CP215-H	25 x 3
CP225	25 x 6
CP265	50 x 6
CP256	50 x 4
For use with lead covered copper	
CP105	20 x 3
CP125	50 x 6
For use with lead covered copper	
CP115	25 x 3
CP130	50 x 6



Heavy duty cast cable saddle

Part no.	Conductor Size (mm)	Conductor material
For use with solid circular conductor		
CP805	Ø 8	Copper
CP806	Ø 8	Aluminium
CP815	Ø 10*	Copper
CP816	Ø 10*	Aluminium
For use with stranded conductor		
CP810	50 mm ²	Copper
CP815	70 mm ²	Copper
CP835	95 mm ²	Copper
CP855	120 mm ²	Copper

PVC covered 8 mm conductor



Non-metallic DC tape clip

Part no.	Conductor Size (mm)	Conductor material
For use with solid circular conductor		
CP005	20 x 3	Brown
CP010	20 x 3	Grey
CP015	25 x 3	Brown
CP020	25 x 3	Grey
CP060*	38 x 5	Brown
CP065*	50 x 6	Brown
For use with PVC covered tape		
CP025	25 x 3	Brown
CP030	25 x 3	Black
CP035	25 x 3	Green
CP040	25 x 3	Grey
CP045	25 x 3	Stone
CP050	25 x 3	White

Conductor network Standing seam roof fixings, holdfasts, puddle flange & conductor clamps



Slate holdfast with non-metallic DC tape clip

Part no.	Conductor Size (mm)	Colour	Material	Weight each (kg)
Non-metallic clip for use with bare tape				
HF015	25 x 3	Brown	Copper	0.076
HF020	25 x 3	Grey	Aluminium	0.076
Metallic clip for use with bare tape				
SC210-H	25 x 3	–	Copper	0.08
SC110-H	25 x 3	–	Aluminium	0.07
Metallic clip for use with PVC covered tape				
SC215-H	25 x 3	–	Copper	0.09



Square tape clamp

Part no.	Conductor Size (mm)	Conductor material
CX105-H	25 x 3	Copper
CX005-H	25 x 3	Aluminium



Slate holdfast with non-metallic push-in clip

Part no.	Conductor Size (mm)	DC Clip Colour
HF176	Ø 8	Brown
HF191	Ø 8	Grey



Non-metallic DC tape clip

Part no.	Conductor Size (mm)	Conductor material
SC105-H	25 x 3	Copper
SC005-H	25 x 3	Aluminium

Glazing bar holdfast



Part no.	Conductor Size (mm)	DC Clip Colour
HF705	12	Copper
HF710	12	Aluminium



Pyramid holdfast

Part no.	Conductor size (mm)
HF975	Ø 8 mm solid circular



plate holdfast stem

Part no.	Conductor material
HF320	Copper
HF325-FU	Aluminium



Non-metallic DC tape clip

Part no.	Conductor material
PF105	Copper
PF005	Aluminium



Standing seam roof fixing with non-metallic DC tape clip

Part no.	Conductor Size (mm)	Conductor material	Material	Weight each (kg)
Non-metallic clip for use with bare tape				
SC015	25 x 3	Brown	Copper	0.076
SC020	25 x 3	Grey	Aluminium	0.076
Metallic clip for use with bare tape				
SC210-H	25 x 3	–	Copper	0.08
SC110-H	25 x 3	–	Aluminium	0.07
Metallic clip for use with PVC covered tape				
SC215-H	25 x 3	–	Copper	0.09



Square tape clamp

Part no.	Conductor Size (mm)	Conductor material
CT105-H	25 x 3	Copper
CT110-H	25 x 6	Copper
CT115-H	50 x 6	Copper
CT005-H	25 x 3	Aluminium
CT010-H	25 x 6	Aluminium



Square stranded cable clamp

Part no.	Conductor size (mm)	Conductor material
CR810	50	Copper
CR815	70	Copper
CR820	95	Copper



Test clamp

Part no.	Conductor size (mm)	Conductor material
CN305	Ø 8	Copper
CN310	Ø 8	Aluminium



Mini square clamp

Part no.	Conductor size (mm)	Conductor material
CS605	Ø 8	Copper
CS610	Ø 8	Aluminium



Sqaure test clamp

Part no.	Conductor size (mm)	Conductor material
CR855	50	Copper
CR860	70	Copper
CR865	95	Copper



Tee clamp

Part no.	Conductor size (mm)	Conductor material
CS505	Ø 8	Copper
CS510	Ø 8	Aluminium



Bimetallic connector

Part no.	Conductor size (mm)
CN910	25 x 3 mm aluminium tape to 25 x 3 mm copper tape
CN910-UL	11/2" x 1/8" aluminium tape to 1" x 1/8" copper tape
CN915	8 mm Ø aluminium conductor to 8 mm Ø copper conductor
CN920	8 mm Ø aluminium conductor to 25 x 3 mm copper tape
CN925	25 x 3 mm aluminium tape to 25 x 3 mm copper tape



Jointing clamp

Part no.	Conductor size (mm)	Conductor material
CS405	Ø 8	Copper
CS410	Ø 8	Aluminium



Test / Junction clamp

Part no.	Conductor size (mm)	Conductor material
CN105-H	26 x 8	Copper
CN005*	26 x 8	Aluminium



Oxide inhibiting compound

Part no.	Description
CM005	Plastic 8 oz bottle



Plate type test clamp

Part no.	Conductor size (mm)	Conductor material
CT405	26 x 12 max	Copper



Screwdown test clamp

Part no.	Conductor size (mm)	Conductor material
CT305	26 x 8 max	Copper



Sqaure test clamp

Part no.	Description	Conductor material
BN101	Single length	Copper
BN001	Single length	Aluminium
BN102	Cross-over	Copper
BN002	Cross-over	Aluminium



Threaded copperbond earth rod

Part no.	Nominal diameter	Length (mm)
RB105	Ø 12	1200
RB110	Ø 12	1500
RB115	Ø 12	1800
RB125	Ø 12	2400
RB205-FU	Ø 58	1200
RB210	Ø 58	1500
RB215	Ø 58	1800
RB220-FU	Ø 58	2100
RB225	Ø 58	2400
RB235	Ø 58	3000
RB305	Ø 34	1200
RB310	Ø 34	1500
RB315	Ø 34	1800
RB320-FU	Ø 34	2100
RB325	Ø 34	2400
RB335	Ø 34	3000



Unthreaded copperbond earth rod

Part no.	Diameter (mm)	Length (mm)
RB005	Ø 9.0	1200
RB103	Ø 12.7	1200
RB107	Ø 12.7	1500
RB116	Ø 12.7	1800
RB126	Ø 12.7	2400
RB203	Ø 14.2	1200
RB213	Ø 14.2	1500
RB216	Ø 14.2	1800
RB217	Ø 14.2	2000
RB223	Ø 14.2	2100
RB226	Ø 14.2	2400
RB236	Ø 14.2	3000
RB306	Ø 17.2	1200
RB313	Ø 17.2	1500
RB316	Ø 17.2	1800
RB317	Ø 17.2	2000
RB323	Ø 17.2	2100
RB326	Ø 17.2	2400
RB336	Ø 17.2	3000

Fittings

Part no.	Type (")
CG170	12 Coupling
CG270	58 Coupling
CG370	34 Coupling
ST100	12 Driving stud
ST200	58 Driving stud
ST300	34 Driving stud



Fittings

Part no.	Type (")
ES300	Earth rod seal and membrane seal

Earth rod seal pack

ES300-12	Seal pack for 12" (Ø 12.7 mm) Copperbond rod
ES300-58	Seal pack for 58" (Ø 14.2 mm) Copperbond rod
ES300-34	Seal pack for 34" (Ø 17.2 mm) Copperbond rod
ES300-15	Seal pack for Ø 15 mm solid copper rod
ES300-16	Seal pack for Ø 16 mm solid copper rod
ES300-20	Seal pack for Ø 20 mm solid copper rod

Earth rod seal pack

ES310-03	Seal tube, 300 mm length
ES310-05	Seal tube, 500 mm length
ES310-10	Seal tube, 1000 mm length
ES310-15	Seal tube, 1500 mm length
ES310-20	Seal tube, 2000 mm length
ES310-30	Seal tube, 3000 mm length

Accessory spanner set

ES320	Membrane seal torque spanner set
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Fittings

Part no.	Type (")
CG177	12.7 mm Coupling
CG277	14.2 mm Coupling
CG377	17.2 mm Coupling
ST107	12.7 mm Driving head
ST207	14.2 mm Driving head
ST307	17.2 mm Driving head





Threaded copperbond earth rod

Part no.	Nominal diameter	Length (mm)
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Solid copper rod

RC010	Ø 15	1200
RC011	Ø 15	1500
RC012	Ø 15	3000
RC015	Ø 20	1200
RC016	Ø 20	1500
RC017	Ø 20	3000

Stainless steel rod

RS005	Ø 16	1200
RS011	Ø 16	1500
RS012	Ø 16	3000
RS016	Ø 20	1500
RS017	Ø 20	3000

Fittings

Part no.	Type ("")
ST010	15 mm hardened steel driving stud for copper/stainless steel rod
ST015	20 mm hardened steel driving stud for copper/stainless steel rod
CG013	Coupling dowel for 15 mm & 20 mm copper rod
CG005	Coupling dowel for 16 mm & 20 mm stainless steel rod
SP010	15 mm hardened steel spike for copper/stainless steel rod
SP015	20 mm hardened steel spike for copper/stainless steel rod

UL Kits

Part no.	Diameter	Length
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Stainless steel rod

RC010-KIT	Ø 15 mm	8 ft (2440 mm)
RC015-KIT	Ø 16 mm	8 ft (2440 mm)

Stainless steel rod

RS005-KIT	Ø 16 mm	8 ft (2440 mm)
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FurseCEM® conductive aggregate

Part no.	Description
CM025	FurseCEM®
CM030	FurseCEM® (supplied with cement)



Bentonite moisture retaining clay

Part no.	Description
CM015	Bentonite powder 25kg
CM020	Bentonite granules 25kg



Concrete inspection pit

Part no.	Length
PT205	Lightweight inspection pit with grey polymer lid
PT309-FU	Lightweight inspection pit with black (unbranded) polymer lid
PT110*	Lightweight inspection pit with concrete lid
PT004	5 hole earth bar

Accessories for polymer lid

AK005	6 mm Allen key
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Accessories for concrete lid

JH100	M8 x 100 mm long mild steel 'J' bolt lifting hook
AS100	M8 x 60 stainless steel Allen caphead screw (2 per lid)

Concrete inspection pit

Part no.	Length
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bars for concrete inspection pit

PT005	Concrete inspection pit
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Accessories

PT006	5 hole earth bar
PT007	7 hole earth bar



Earth plate (solid copper)

Part no.	Size (mm)
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PE005	600 x 600 x 1.5
PE015	900 x 900 x 1.5
PE010	600 x 600 x 3
PE020	900 x 900 x 3



Digital earth resistance tester

Part no.	Size (mm)
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PE110	600 x 600 x 3
PE120	900 x 900 x 3



Digital earth resistance tester

Part no.	Size (mm)
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DET14C	Clamp earth resistance tester
DET3TC	Digital earth resistance tester
DET4TD2	Digital earth resistance tester
DET2/2	Digital earth resistance tester





Rod to tape clamp (type A)

Max. conductor

Part no.	Nominal diameter (mm)	Max. conductor
CR105	Ø 12 Ø 12.7	26 x 12
CR105	Ø 5.8 Ø 16	26 x 12
CR105	Ø 3.4 Ø 20	26 x 10
CR108	Ø 5.8 Ø 16	30 x 2
CR108	Ø 3.4 Ø 20	30 x 2
CR110	Ø 5.8 Ø 16	40 x 12
CR115	Ø 5.8 Ø 16	51 x 8
CR125	Ø 3.4 Ø 20	51 x 12
CR130	Ø 12 Ø 12.7	26 x 20
CR130	Ø 5.8 Ø 16	26 x 18
CR130	Ø 3.4 Ø 20	26 x 10
CR130	Ø 1 Ø 25	26 x 10



Rod to tape clamp (type G)

Max. conductor

Part no.	Nominal diameter (mm)	Max. conductor
CR205	Ø 3.8 Ø 9.5	Copperbond
CR215	Ø 5.8 Ø 16	Copperbond
CR220	Ø 5.8 Ø 15	Solid copper
CR225	Ø 3.4 Ø 20	Copperbond
CR230	Ø 3.4 Ø 20	Solid copper



Rod to tape clamp (type G)

Part no.	Nominal diameter (mm)	Max. conductor (mm)	Conductor material
BN150	Ø 8	Ø 8-18	Copper
BN155	Ø 8	Ø 18-38	Copper



Rod to tape clamp (type G)

Max. conductor

Part no.	Nominal diameter (mm)	Max. conductor
CR505Ø	Ø 3.8 Ø 9.5	6-35
CR510-FU*	Ø 12 Ø 12.7	16-50
G5	Ø 5.8 Ø 16	5.2-33.6
CR515*	Ø 5.8 Ø 16	16-70
G6	Ø 3.4 Ø 20	5.2-33.6
CR520*	Ø 3.4 Ø 20	35-95
CR525	Ø 1 Ø 25	70-150



U' bolt rod clamp (type E)

Max. conductor

Part no.	Nominal diameter (mm)	Max. conductor
CR305	Ø 5.8 Ø 16	37
CR310	Ø 3.4 Ø 20	37
CR315	Ø 1 Ø 25	37
CR320*	Ø 5.8 Ø 16	37
CR325	Ø 11.2 Ø 38	54
CR330	Ø 2 Ø 50	64
CR326	Ø 11.2 Ø 38	54



Rebar to conductor connecting clip

Part no.	Max. rebar diameter (A) (mm)	Min. rebar diameter (B) (mm)
RR812	Ø 8	Ø 12
RR1616	Ø 16	Ø 16
RR2121	Ø 20	Ø 20
RR2626	Ø 25	Ø 25
RR3232	Ø 32	Ø 32
RR3838	Ø 40	Ø 40



Rebar to conductor connecting clip

Part no.	Rebar diameter (mm)	Conductor size (mm)
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U' bolt rod clamp (type GUV)

Max. conductor

Part no.	Nominal diameter (mm)	Max. conductor
CR700	Ø 5.8 Ø 16	16-95
CR700	Ø 3.4 Ø 20	16-70
CR705	Ø 5.8 Ø 16	70-185
CR705	Ø 3.4 Ø 20	70-150
CR730	Ø 5.8 Ø 16	150-300
CR730	Ø 3.4 Ø 20	150-300
CR710	Ø 1 Ø 25	16-70
CR740	Ø 1 Ø 25	70-150
CR750	Ø 1 Ø 25	150-300



Rebar to flat tape

RC25-087095 | Ø 25 mm | 25 x 3 mm

Rebar to stranded/solid circular conductor

Part no.	Rebar diameter (mm)	Conductor size (mm)
RC812-0850	Ø 12	50 mm2 or Ø 8 mm Ø 8 mm dia., 50-70-95 mm2
RC16-087095	Ø 16	50-70-95 mm2
RC20-087095	Ø 20	Ø 8 mm dia., 50-70-95 mm2
RC25-087095	Ø 25	Ø 8 mm dia., 50-70-95 mm2
RC32-087095	Ø 32	Ø 8 mm dia., 50-70-95 mm2
RC40-087095	Ø 40	Ø 8 mm dia., 50-70-95 mm2



Earth boss

Part no.	Length (mm)	Diameter (mm)	Thread size (mm)
EB0000	25	Ø 25	M8
EB1000	25	Ø 25	M8
EB0110	30	Ø 30	M8
EB1110	30	Ø 30	M8
EB0111	30	Ø 30	M10
EB1111	30	Ø 30	M10
EB0120	30	Ø 40	M8
EB1120	30	Ø 40	M8
EB0121	30	Ø 40	M10
EB1121	30	Ø 40	M10
EB0130	30	Ø 50	M8
EB1130	30	Ø 50	M8
EB0131	30	Ø 50	M10
EB1131	30	Ø 50	M10
EB0211	40	Ø 30	M10
EB1211	40	Ø 30	M10
EB0212	40	Ø 30	M12
EB1212	40	Ø 30	M12
EB0221	40	Ø 40	M10
EB1221	40	Ø 40	M10
EB0222	40	Ø 40	M12
EB1222	40	Ø 40	M12
EB0231	40	Ø 50	M10
EB1231	40	Ø 50	M10
EB0232	40	Ø 50	M12
EB1232	40	Ø 50	M12
EB0311	50	Ø 30	M10
EB1311	50	Ø 30	M10
EB0312	50	Ø 30	M12
EB1312	50	Ø 30	M12
EB0321	50	Ø 40	M10
EB1321	50	Ø 40	M10
EB0322	50	Ø 40	M12
EB1322	50	Ø 40	M12
EB0001	50	Ø 50	M10
EB1331	50	Ø 50	M10
EB0332	50	Ø 50	M12
EB1332	50	Ø 50	M12



Tower earth clamp

Part no.	Length (mm)	Diameter (mm)
BN125	16-70	Copper
BN130	70-120	Copper
BN300-FU	25-50	Copper
BN305	25-50	Aluminium
BN320	120-185	Copper
BN325	185-240	Copper



RWP bond

Part no.	Max tape width (mm)	Conductor material
BN115	26	Copper
BN010	26	Aluminium



water main bond

Part no.	Max tape width (mm)	Conductor material
BN120	26	Copper



Pipe bond

Part no.	Max tape width (mm)	Palm hole Con diameter (mm)	Conductor material
BN175	Ø 8	Ø 50-200	Copper
BN176	Ø 8	Ø 50-200	Aluminium



Pipe clamp

Part no.	Palm hole Con diameter (mm)	Conductor material
3902	Ø 12-1	Ø 13-25
3903	Ø 114-2	Ø 32-50
3904	Ø 212-312	Ø 65-90
3905-TB	Ø 4-5	Ø 100-125
3906-TB	Ø 6	Ø 150
3907	Ø 8	Ø 200
3908	Ø 10	Ø 250
3909-TB	Ø 12	Ø 300



Static earth receptacle

Part no.	Conductor material
BT150	Copper
BT160	Copper



Eyebolt

Part no.	Nominal copperbond rod diameter (")
BT150	5/8
BT160	3/4

Bentech export a wide range of AN Wallis Earthing and Lightning Protection products across the Gulf region this includes.....



- Bare Copper Tape
- Bare Aluminium Tape
- PVC Covered Tape
- Solid Circular Copper Conductor
- Bare Stranded Copper Conductor
- PVC Insulated Stranded Copper Conductor
- Earth Plates & Copper Lattice Mats
- Earth Inspection Pits & Housings
- Earth Rod Couplings
- Earth Rod Clamps
- Earth Rods
- Earth Bars





SAFETY LOCKOUT

ALLOW SIX WORKERS TO LOCK OUT A SINGLE ENERGY SOURCE!

- Vinyl Coated High Tensile Steel
- 6 padlocks can be applied
- Padlock holes diameter: 11 mm
- Hook edge dimensions: 2 mm x 6 mm



Order	Reference	Shackle	Max. Shackle	Min. Shackle
	Colour	Width (mm)	Diameter (mm)	Clearance (mm)
805840	Red	25.00	9.50	20.00
805842	Yellow	25.00	9.50	20.00
805841	Red	38.00	9.50	20.00
805843	Yellow	38.00	9.50	20.00
105718	Red	25.00	9.50	20.00
105719	Red	38.00	9.50	20.00

STAINLESS STEEL SCISSOR ACTION HASP

DESIGNED TO PROVIDE A MAXIMUM TAMPERPROOF LOCKING FACILITY

- Made from marine grade (316) stainless steel scissor hasps with a 28 mm diam jaw
- Small shackle size for 4 mm hasp holes
- 6 padlocks can be applied



Order	Reference	Max. Shackle	Min. Shackle	Additional	Quantity
	Colour	Diameter (mm)	Clearance (mm)	Information	
852440	Silver	10.00	-	28.00 mm jaw diameter	1

STUBBY LOCKOUT

LOCK OUT SMALL SWITCH BOXES TO LARGE CONTROL UNITS AND LEVERS WITH ONE DEVICE - NO NEED FOR SEPARATE HASPS OF DIFFERENT SIZES!

- Two-in-one hasp sizes: 31.75 x 44.45 and 19 mm diameter
- To be used when lockout conditions vary in size
- 6 padlocks can be applied



Order	Reference	Max. Shackle	Min. Shackle	Quantity
	Colour	Diameter (mm)	Clearance (mm)	
236919	Red	10.00	20.00	1

ECONOMY LOCKOUT

- Use on fuse or switch boxes
- Made from sturdy steel
- Hasp shackle diameter: 25.4 mm
- 6 padlocks can be applied



Order	Reference	Max. Shackle	Min. Shackle	Quantity
	Colour	Diameter (mm)	Clearance (mm)	
236920	Red	10.00	20.00	1

ELECTRICAL LOCKOUT KIT

ELECTRICAL LOCKOUT KIT GIVES YOU ALL THE BASICS TO LOCK OUT BREAKERS, ELECTRICAL PLUGS, WALL SWITCHES AND FUSES.



Order	Description
066321	Universal Multi-Pole Breaker Lockout
065396	No Hole Circuit Breaker Lockout - 277 Volt Device
065404	Extra Cleats for 120/277V Lockout No Hole Circuit Breaker Lockout - 480-600 Volts Device
065397	Device
065406	Extra Cleats for 480/600V Lockout
805853	Miniature Breaker Lockout Demo Kit*
051339	Safety Padlocks - Standard
236916	Nylon Lockout Hasp
045582	Non-Conductive Lockout Hasp
050979	Large Lockout Pouch
256566	Tag: "DO NOT OPERATE Electrician At Work - This Lock/Tag may only be removed by:" 75 x 160 mm
087052	Permanent Marker - Fine

CIRCUIT BREAKER LOCKOUT KIT

MOST POPULAR CIRCUIT BREAKER LOCKOUT DEVICES ALLOWING TO LOCK A WIDE RANGE OF CIRCUIT BREAKERS



- The basic kit can be combined with any padlock sets, already available or to be ordered (allowing any key chart)
- The kit also exists with 2 red full nylon padlocks, ideal for electrical applications and to be used with these lockout devices
- As best practice, it's always advised to place a tag when a lockout device is placed to inform other workers. New Mini tags have been developed for this application. (dimensions: 100 x 25 mm, 50 tags / pack)
- Mini tags available in 9 languages

Description	Electrician Lockout Kit
	Electrician Lockout Kit + Padlocks
196218	Electrician Lockout Kit + Tag EN
196228	Electrician Lockout Kit + Padlocks & Tag EN

Electrician Lockout Kit (196217) includes:

- 1 x 090847 - Miniature Circuit Breaker Lockout Pin-In-Standard (PIS),
- 1 x 090844 - Miniature Circuit Breaker Lockout Pin-Out-Standard (POS),
- 1 x 090850 - Miniature Circuit Breaker Lockout Pin-Out-Wide (POW),
- 1 x 090853 - Miniature Circuit Breaker Lockout Tie Bar (TBLO),
- Kit with Padlocks and Tags
- 1 x 065396 - No Hole Circuit Breaker 277V, 196231
- 1 x 065397 - No Hole Circuit Breaker 480-600V, 196228
- 1 x 800112 - Cable Lockout Device, 196234
- 1 x 236916 - Nylon Lockout Hasp, 196229
- 1 x 050979 Large Lockout Pouch, 196233



Ingersoll Locks Limited was founded in 1949 and has been at the cutting edge of lock design ever since. The Ingersoll SC71 is the signature product and the unique design of the lock and key are synonymous with security and quality

NATO APPROVED

Ingersoll OS711 Open Shackle Padlock 10mm shackle



- Ingersoll OS711 Open Shackle Padlock
- 10 mm shackle
- 10 lever high security cylinder
- 3 keys included (extra keys available at £14.50 each when ordered with padlock)
- Price includes post & packing to UK mainland (we do not ship abroad)
- NATO stock number (NSN) 5340991301860

Ingersoll CS712 Close Shackle Padlock 10mm shackle



- Ingersoll CS712 Close Shackle Padlock
- 10 mm shackle
- 10 lever high security cylinder
- 3 keys included (extra keys available at £14.50 each when ordered with padlock)
- Price includes post & packing to UK mainland (we do not ship abroad)
- NATO stock number (NSN) 5340991301860


Ingersoll CS700 Extra Close Shackle Padlock




- Ingersoll CS700 Extra Close Shackle Padlock
- Full height shackle protection
- 10 lever high security cylinder
- 3 keys included (extra keys available at £14.50 each when ordered with padlock)
- Price includes post & packing to UK mainland (we do not ship abroad)
- NATO stock number (NSN) 5340997662572



	PRODUCT CODE	BODY MATERIAL	CYLINDER SYSTEM	DIAMETER	SHACKLE DIMENSIONS W I D T H	H E I G H T	CORROSION	EN12320 :2001 SECURITY	SOLD SECURE
	J-SH50BO-5P	Brass	5 Pin	10mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH50BO-6P	Brass	6Pin	10mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH50BO-DT	Brass	D-TEC	10mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH50SO-5P	Steel	5 Pin	10mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH50SO-6P	Steel	6 Pin	10mm	25.1mm	25.1mm	3*	4	Silver
	J-SH50SO-DT	Steel	D-TEC	10mm	25.1mm	25.1mm	3*	4	Silver
J-SH60BO-5P	Brass	5 Pin	12mm	25.1mm	25.1mm	3*	3	Bronze	

60mm Open Shackle	PRODUCT CODE	BODY MATERIAL	CYLINDER SYSTEM	DIAMETER	SHACKLE DIMENSIONS W I D T H	H E I G H T	CORROSION	EN12320 :2001 SECURITY	SOLD SECURE
	J-SH60BO-6P	Brass	6Pin	12mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH60BO-DT	Brass	D-TEC	12mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH60SO-5P	Steel	5 Pin	12mm	25.1mm	25.1mm	3*	3	Bronze
	J-SH60SO-6P	Steel	6 Pin	12mm	25.1mm	25.1mm	3*	4	Silver
	J-SH60SO-DT	Steel	D-TEC	12mm	25.1mm	25.1mm	3*	4	Silver
	J-SH70BO-5P	Brass	5 Pin	14mm	31mm	31.3mm	3*	3	Bronze

70mm Open Shackle	PRODUCT CODE	BODY MATERIAL	CYLINDER SYSTEM	DIAMETER	SHACKLE DIMENSIONS W I D T H	H E I G H T	CORROSION	EN12320 :2001 SECURITY	SOLD SECURE
	J-SH70BO-6P	Brass	6Pin	14mm	31mm	31.3mm	3*	3	Bronze
	J-SH70BO-DT	Brass	D-TEC	14mm	31mm	31.3mm	3*	3	Bronze
	J-SH70SO-5P	Steel	5 Pin	14mm	31mm	31.3mm	3*	3	Bronze
	J-SH70SO-6P	Steel	6 Pin	14mm	31mm	31.3mm	3*	5	Silver
	J-SH70SO-DT	Steel	D-TEC	14mm	31mm	31.3mm	3*	5	Silver

60mm Close Shackle	PRODUCT CODE	BODY MATERIAL	CYLINDER SYSTEM	DIAMETER	SHACKLE DIMENSIONS W I D T H	H E I G H T	CORROSION	EN12320 :2001 SECURITY	SOLD SECURE
	J-SH60SC-5P	Steel	5 Pin	12mm	18mm	25.1mm	3*	3	Bronze
	J-SH60SC-6P	Steel	6 Pin	12mm	18mm	25.1mm	3*	4	Silver
	J-SH60SC-DT	Steel	D-TEC	12mm	18mm	25.1mm	3*	4	Silver

70mm Close Shackle	PRODUCT CODE	BODY MATERIAL	CYLINDER SYSTEM	DIAMETER	SHACKLE DIMENSIONS W I D T H	H E I G H T	CORROSION	EN12320 :2001 SECURITY	SOLD SECURE
	J-SH70SC-5P	Steel	5 Pin	14mm	19mm	31.3mm	3*	3	Bronze
	J-SH70SC-6P	Steel	6 Pin	14mm	19mm	31.3mm	3*	6	Gold
	J-SH70SC-DT	Steel	D-TEC	14mm	19mm	31.3mm	3*	6	Gold



OPTICAL SMOKE ALARM AND HEAT ALARM

OPTICAL SMOKE ALARM

BS EN 14604:2005

List No	Description
D2300SA	230V mains powered Optical smoke alarm with 9V alkaline battery backup

- Features
- 230V AC
 - 9V alkaline battery back up included.
 - 6 year warranty.
 - Self test on sensor & self diagnostic feature.
 - Easy installation.
 - Dust cover.



D2300SA

HEAT ALARM

BS 5446-2: 2003

List No	Description
D230HA	230V mains powered Heat alarm with 9V alkaline battery backup

- Features
- 230V AC
 - 9V alkaline battery back up included.
 - 6 year warranty.
 - Self test on sensor & self diagnostic feature.
 - Easy installation.
 - Dust cover.



D230HA

CARBON MONOXIDE ALARM

BS EN 50291-1:2010

List No	Description
D230COA	230V mains powered Carbon Monoxide alarm with 9V alkaline battery backup

- Features
- 230V AC
 - 9V alkaline battery back up included.
 - 5 year warranty.
 - Self test on sensor & self diagnostic feature.
 - Easy installation.



Dimensions

Height	46mm
Width	130mm
Depth	75mm

ALSO AVAILABLE:



Honeywell

Recommended Locations	Not Recommended
Place the alarm at least 2 metres from fuel burning appliances, and not more than 4 metres away	Do not place closer than 2 metres from fuel burning appliances
Away from draughts, such as doors and windows	Do not wall-mount close to obstructions (e.g. behind curtains, shelving or furniture)
Within hearing distances of bedrooms* If heating appliance is in the bedroom place the alarm at sleeping height	Do not fit in dusty, dirty or greasy areas (e.g. garages or workshops)
If wall-mounting, install at eye-level (approx 1.5m), and at least 30cm from adjoining walls or ceiling at sleeping height	Do not wall-mount within 30cm of the ceiling as this is a "dead air" space
If free-standing, the unit should be placed no more than 1 metre from the ground (to avoid permanent damage in case accidentally knocked)	Avoid humid (bathrooms), cold (0°C) or hot (+40°C) areas and away from sinks

* It is recommended that at least one carbon monoxide alarm is installed on each level of the home

SOUNDERS AND BEACONS



Sounders



Beacons



Sounder Beacons



Call Points



Bells



Indicators Beacons



Door Retainers



Signboards Beacons



UL & FM Approved



Underwriters
Laboratories
Approval



Burn Kit

The St John Ambulance essential burn kit is the most comprehensive in the range, containing a variety of essential products and dressings to treat a victim with burns. This kit is suitable for use in high burn risk environments.

- Essential burn kits contain all the essentials to soothe and cool burns
- HSE recommended contents
- Supplied in a practical zippered pouch, designed for easy storage and access
- Contains a range of St John Ambulance and Burnshield® co-branded products



Economy Fire Blanket

The Ultrafire fire blankets are made from high quality material and stored in a tough and durable wall mounted case. The 1.0m x 1.0m size blankets are suitable for smaller kitchens, waste bins and clothing fires.

Also we supply other fire blanket sizes.



Briton 121CE - Door Closer

The Briton 121CE is a compact overhead door closer that is suitable for use on the most popular door sizes. This closer is CE marked, Certifire approved and designed for light usage applications, such as store rooms and rest rooms etc.



SILVER



WHITE

Rigid PVC self-adhesive labels

Part No	Label Size	Pack Qty
TLF 28YB	80 x 35	5 Labels
TLF 45YB	80 x 35	5 Labels
TLF 50YB	80 x 35	5 Labels
TLF 9YB	80 x 35	5 Labels
TLF 29YB	80 x 35	5 Labels
LF50YBG	80 x 35	5 Labels
LFT23YB	80 x 100	5 Labels



TLF 28YB



TLF 45YB



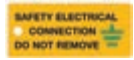
TLF 50YB



TLF 9YB



TLF 29YB



LF50YBG



LFT23YB

Rigid PVC self-adhesive labels

Part No	Label Size	Pack Qty
TLF 55YB	55 x 80	5 Labels
TLF 58YB	55 x 80	5 Labels
TLF 21YB	55 x 80	5 Labels
LFT22YB	80 x 100	5 Labels
JC43WB	80 x 55	5 Labels



FOR EQUIPMENT OUTDOORS

Rigid PVC self-adhesive labels

Part No	Label Size	Pack Qty
TLF 22YB	80 x 35	5 Labels
TNA 9YBA	229 x 152	1 Label
TNA 5YBA	229 x 152	1 Label
HCT50YBG	50 x 65	5 Labels
LH98WG	80 x 55	5 Labels



Rigid PVC self-adhesive labels

Part No	Label Size	Pack Qty
NA 10WR	152 x 210	1 Label
LF100 WRB	80 x 35	5 Labels
LF88 WR	80 x 35	1 Label
HC 60WR	50 x 20	5 Labels
LF 60WR	80 x 35	5 Labels
LH99 WR	80 x 55	5 Labels
LF8 WR	80 x 35	5 Labels
LH 41WB	80 x 55	5 Labels
PL 43WB	100 x 60	5 Labels



THE ELECTRICAL INSTALLATION IS INTENDED TO SUPPLY EQUIPMENT INDOORS ONLY. IF THE ELECTRICAL EQUIPMENT IS TO BE USED OUTDOORS, ADDITIONAL SAFETY DEVICES SHOULD BE FITTED BY A COMPETENT PERSON TO PROVIDE SAFETY PROTECTION TO THE USER.

THIS WARNING LABEL SET MUST NOT BE USED ON ELECTRICAL EQUIPMENT UNLESS IT IS USED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED IN THE USER MANUAL. THE USER SHOULD ALWAYS READ THE USER MANUAL BEFORE USING THE EQUIPMENT. THE USER SHOULD ALWAYS READ THE USER MANUAL BEFORE USING THE EQUIPMENT. THE USER SHOULD ALWAYS READ THE USER MANUAL BEFORE USING THE EQUIPMENT.

VoCALL Type A Outstation



Flush Mount



Surface Mount

The VoCALL Type A Outstation is a compact unit which offers easy access via a magnetic push catch door.

The Type A Outstation is compatible with all VoCALL systems for use as a standard fire telephone or disabled refuge call point.

Features

- Compact design
- High volume ringer
- Status LED
- Telecoil for hearing impaired users
- Full duplex operation
- Magnetic push catch door
- Stainless steel option

Benefits

- Versatility, the unit can be used on all VoCALL systems
- Dual use, the Type A Outstation can be used as a fire telephone or a disabled refuge call point
- Magnetic push catch door, for quick and easy access

Technical Specification

Product Code	Product Description
CFVCSHP	VoCALL Type A Outstation, Surface Mount (Red)
CFVCSHPSS	VoCALL Type A Outstation, Flush Mount (Stainless Steel)
CFVCFHP	VoCALL Type A Outstation, Flush Mount (Red)
CFVCFHPSS	VoCALL Type A Outstation, Flush Mount (Stainless Steel)
CFVCHFS	VoCALL Type A Outstation, Uncased (for retro fit integration in to equipment)
CFVICPA	VoCALL Type A Outstation, IP65 Lockable Surface Mount (Red)
CFVICPASS	VoCALL Type A Outstation, IP65 Lockable Surface Mount (Stainless Steel)

The world's smallest smoke alarm

Miniature Smoke Detector

5 and 10 Year Longlife

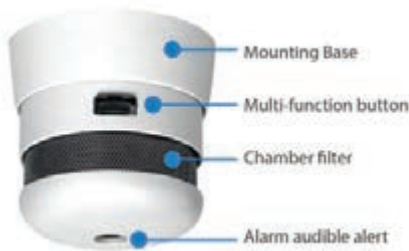


Installation

- . Detector must be placed 50cm minimum from the wall and at 10m maximum from the next detector, if possible in the middle of the ceiling.
- . Minimum one detector on possible sources of fire starting and in the bedrooms.
- . One detector per door, inside the corridors and the stairs.
- . We recommend one detector in the living room, bedroom, kitchen, storage area.

Characteristics

- . Lithium battery for 5 / 10 years
 - . Sound level: min 85dB at 3m, 90dB at 2m
 - . Alert indication: Red LED
- Advantages
- . Aesthetic and discrete
 - . Longue life duration
 - . Minimum consumption



- > 10 years longlife lithium battery
- > Multi-function side button
- > 10 minute hush option
- > 30 day low battery warning
- > Unique "smart clip" ceiling mechanism for installation
- > 85db(A) at 3 metres
- > Certified to Australian Standard AS3786-1993



NUG35940

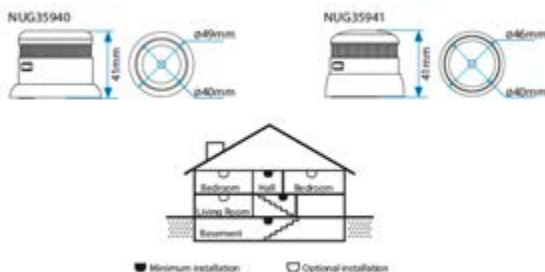


NUG35941



Technical Specification

Order code	NUG35940	NUG35941
Designation	Autonomous Alarm Smoke Detector Smoke - 5 years Lithium Battery - ø 4 cm	Autonomous Alarm Smoke Detector Smoke - 10 years Lithium Battery - ø 4 cm
Photoelectric		
Type Battery	3V CR2 Lithium, 850 mAh	3V CR123A Lithium, 1600 mAh sealed
Battery autonomy	Desay / Duracell replacable 5 years	10 years
Low battery	Beep and LED flash every 48s when the battery charge is below 2.85V.	
Operation	Battery replacement within 30 days	Battery replacement within 30 days
Sound level	LED flashing every 48s during normal operation	
Sound signal	85dB at 3 meters Fire alarm indicated by a series of tones repeated every 0.5s. The 3rd tone is followed by a pause of 1.5s.	
Visual signal	Red LED under the following conditions: - Fire alarm: Flash 22.7ms every 0.5s - Smoke Detection: 0.75ms flash every 2s - Normal operation: Flash 0.75ms every 48s	
Pause function	In case of accidental discharge, press the Pause button during the alarm for pause. The alarm mode again after about 10 minutes.	
Dimensions	41 mm (H) x 49 mm (D)	41 mm (H) x 46 mm (D)
Weight	31 g	31 g
Temperature range	from +4 °C to 38 °C	
Detection Time	Optical reading every 8 seconds and every 2 seconds when triggered.	







RING TERMINALS

CAT NO	D 2	L	I	D	E	t	t1	INSULATION COLOUR
RR32	3.20	5.50	17.50					
RR37	3.70	5.50	17.50					
RR43	4.30	8.00	21.70					
RR53	5.30	8.00	21.70	4.30	10.50	0.75	0.80	RED
RR64	6.40	11.60	27.60					
RR84	8.40	11.60	27.60					
RR105	10.50	13.70	31.50					
BR32	3.20	8.50	23.00					
BR37	3.70	6.60	20.60					
BR43	4.30	8.50	23.00					
BR53	5.30	9.50	23.00					
BR64	6.40	12.00	28.10	4.70	11.00	0.80	0.80	BLUE
BR84	8.40	12.00	28.10					
BR105	10.50	13.70	31.90					
BR120	13.00	19.00	35.50					
YR43	4.30	9.50	26.70					
YR53	5.30	9.50	26.70					
YR64	6.40	12.00	32.70					
YR84	8.40	15.00	34.90					
YR105	10.50	15.00	34.90	6.70	14.00	1.00	0.80	YELLOW
YR120	13.00	19.20	39.60					





FORK/SPADE TERMINALS

CAT NO	d2	B	L	D	E	t	t1	INSULATION COLOUR
RS32N	3.20	5.70	22.00					
RS37	3.70	6.20	22.00					
RS37N	3.70	5.70	22.00					
RS43	4.30	7.20	22.00	4.30	10.50	0.75	0.80	RED
RS43N	4.30	6.40	22.00					
RS53	5.30	8.00	22.00					
RS64	6.40	10.70	23.00					
BS32N	3.20	5.70	22.50					
BS37	3.70	6.20	22.50					
BS37N	3.70	5.70	22.50					
BS43	4.30	7.20	22.50	4.70	11.00	0.80	0.80	BLUE
BS43N	4.30	6.40	22.50					
BS53	5.30	8.00	22.50					
BS64	6.40	10.70	23.50					
YS37	3.70	8.10	26.70					
YS43	4.30	8.20	26.70					
YS53	5.30	9.00	26.70	6.70	14.00	1.00	0.80	YELLOW
YS64	6.40	12.00	30.70					
YS84	8.40	13.50	32.60					



BUTT CONNECTORS

CAT NO	d	D	L	t	INSULATION COLOUR
RBC4	d1.70	4.30	25.00	0.75	RED
BBC45	2.30	4.50	25.00	0.80	BLUE
YBC68	3.40	6.50	27.00	1.00	YELLOW



MALE BULLET

CAT NO	D	B	L	t	INSULATION COLOUR
RMB40/VR	4.10	4.00	21.50	0.75	RED
BMB50/VR	4.90	5.00	22.50	0.80	BLUE
YMB50/VR	6.50	5.00	26.00	1.00	YELLOW



FEMALE BULLET

CAT NO	D	B	L	t	INSULATION COLOUR
RFB40/VR	4.30	4.65	24.50		RED
BFB50/VR	4.90	5.65	24.50	0.40	BLUE
YFB50/VR	6.50	5.65	28.00		YELLOW



PIN TERMINALS

CAT NO	B	L	D	E	t	t1	INSULATION COLOUR
RP10	2.00	22.50	4.30	10.50	0.75	0.80	RED
BP10	2.00	23.00	4.70	11.00	0.80	0.80	BLUE
YP14	2.70	27.50	6.70	14.00	1.00	0.80	YELLOW



BLADE TERMINALS

CAT NO	B	L	D	E	t	t1	INSULATION COLOUR
RB11	3.00	21.50					
RB14	3.00	25.00	4.30	10.50	0.75	0.80	RED
RB18	2.45	28.50					
BB9	2.80	20.00					
			4.70	11.00	0.80	0.80	BLUE
BB18	2.45	29.00					
YB10	2.80	24.00					
			6.70	14.00	1.00	0.80	YELLOW
YB18	2.80	32.00					



HOOK BLADE TERMINALS

CAT NO	B	L	D	E	t	t1	INSULATION COLOUR
RHBL3.0	2.80	28.50					
			4.30	10.50	0.80	0.80	RED
RHBL4.6	4.60	28.50					
BHBL3.0	2.80	28.50					
			4.70	11.00	0.80	0.80	BLUE
BHBL4.6	4.60	28.50					
YHBL3.0	2.80	31.80	6.70	14.00	1.00	0.80	YELLOW



FLANGED FORK/SPADE

CAT NO	B	L	D	E	t	t1	t1	INSULATION COLOUR
RFS43	4.30	7.20	22.00	4.30	10.50	0.75	0.80	RED
BFS43	4.30	7.20	22.50	4.70	11.00	0.80	0.80	BLUE
BFS43	5.30	8.00	25.50	6.70	14.00	0.80	0.80	YELLOW



COPPER TUBE CRIMP TERMINALS



PART NUMBER	CABLE SIZE (mm ²)	E STUD HOLE DIA Ø (mm)	A ID (mm)	C OD (mm)	D PALM WIDTH (mm)	B BARREL LENGTH (mm)	J TOTAL LENGTH (mm)
COL 1.5-4	1.5	4.2	1.8	3.7	8.0	8.0	19.0
COL 1.5-5	1.5	5.2	1.8	3.7	8.0	8.0	20.0
COL 2.5-4	2.5	4.5	2.4	4.0	8.7	8.0	20.0
COL 2.5-5	2.5	5.2	2.4	4.0	8.7	8.0	21.0
COL 2.5-6	2.5	6.2	2.4	4.0	10.3	8.0	23.0
COL 4-4	4.0	4.2	3.1	4.8	8.7	10.0	22.0
COL 4-5	4.0	5.2	3.1	4.8	8.7	10.0	23.0
COL 4-6	4.0	6.5	3.1	4.8	10.3	10.0	25.0
COL 4-8	4.0	8.2	3.1	4.8	12.5	10.0	29.0
COL 6-4	6.0	4.2	3.8	5.5	8.7	10.0	21.0
COL 6-5	6.0	5.2	3.8	5.5	10.3	10.0	23.0
COL 6-6	6.0	6.5	3.8	5.5	10.3	10.0	24.0
COL 6-8	6.0	8.4	3.8	5.5	12.0	10.0	26.0
COL 6-10	6.0	10.2	3.8	5.5	14.0	10.0	30.0
COL 10-5	10.0	5.2	4.5	6.2	10.0	10.0	25.0
COL 10-6	10.0	6.4	4.5	6.2	10.0	10.0	25.0
COL 10-8	10.0	8.4	4.5	6.2	12.0	10.5	29.0
COL 10-10	10.0	10.2	4.5	6.2	15.0	10.5	34.0
COL 10-12	10.0	13.0	4.5	6.2	17.0	10.5	39.0
COL 16-5	16.0	5.2	5.4	7.1	12.0	12.0	25.0
COL 16-6	16.0	6.4	5.4	7.1	12.0	12.0	27.0
COL 16-8	16.0	8.4	5.4	7.1	12.5	12.0	31.0
COL 16-10	16.0	10.4	5.4	7.1	15.0	12.5	36.0
COL 16-12	16.0	13.0	5.4	7.1	17.0	12.5	41.0
COL 25-5	25.0	5.2	7.0	8.8	13.0	12.5	30.0
COL 25-6	25.0	6.4	7.0	8.8	13.0	12.5	30.0
COL 25-8	25.0	8.4	7.0	8.8	14.0	12.5	32.0
COL 25-10	25.0	10.4	7.0	8.8	16.0	12.5	37.0
COL 25-12	25.0	13.0	7.0	8.8	18.0	12.5	41.0
COL 35-6	35.0	6.4	8.6	10.8	16.0	15.0	36.0
COL 35-8	35.0	8.4	8.6	10.8	16.0	15.0	36.0
COL 35-10	35.0	10.4	8.6	10.8	16.0	15.0	40.0
COL 35-12	35.0	13.0	8.6	10.8	18.0	15.0	44.0
COL 35-14	35.0	14.6	8.6	10.8	19.8	15.0	47.0
COL 35-16	35.0	17.0	8.6	10.8	23.0	15.0	49.0
COL 50-6	50.0	6.4	9.6	11.8	17.5	16.0	42.0
COL 50-8	50.0	8.4	9.6	11.8	17.5	16.0	42.0
COL 50-10	50.0	10.4	9.6	11.8	17.5	16.0	42.0
COL 50-12	50.0	13.0	9.6	11.8	17.5	16.0	42.0
COL 50-14	50.0	15.0	9.6	11.8	17.5	16.0	46.0
COL 50-16	50.0	17.0	9.6	11.8	24.0	16.0	52.0

COPPER TUBE CRIMP TERMINALS



PART NUMBER	CABLE SIZE (mm ²)	E STUD HOLE DIA Ø (mm)	A ID (mm)	C OD (mm)	D PALM WIDTH (mm)	B BARREL LENGTH (mm)	J TOTAL LENGTH (mm)
COL 70-6	70.0	6.4	12.0	15.0	22.0	18.0	50.0
COL 70-8	70.0	8.4	12.0	15.0	22.0	18.0	50.0
COL 70-10	70.0	10.4	12.0	15.0	22.0	18.0	54.0
COL 70-12	70.0	13.0	12.0	15.0	22.0	18.0	54.0
COL 70-14	70.0	14.5	12.0	15.0	22.0	18.0	63.0
COL 70-16	70.0	17.0	12.0	15.0	22.0	18.0	63.0
COL 95-8	95.0	8.4	13.5	16.5	24.4	20.0	52.0
COL 95-10	95.0	10.4	13.5	16.5	24.4	20.0	52.0
COL 95-12	95.0	13.0	13.5	16.5	24.4	20.0	52.0
COL 95-14	95.0	15.0	13.5	16.5	24.4	20.0	56.0
COL 95-16	95.0	17.0	13.5	16.5	24.4	20.0	56.0
COL 120-8	120.0	8.4	15.0	19.0	27.8	22.0	55.0
COL 120-10	120.0	10.5	15.0	19.0	27.8	22.0	55.0
COL 120-12	120.0	13.0	15.0	19.0	27.8	22.0	55.0
COL 120-14	120.0	15.0	15.0	19.0	27.8	22.0	59.0
COL 120-16	120.0	17.0	15.0	19.0	27.8	22.0	59.0
COL 120-20	120.0	21.0	15.0	19.0	27.8	22.0	69.0
COL 150-8	150.0	8.4	16.5	21.0	30.7	27.0	64.0
COL 150-10	150.0	10.5	16.5	21.0	30.7	27.0	64.0
COL 150-12	150.0	13.0	16.5	21.0	30.7	27.0	64.0
COL 150-14	150.0	15.0	16.5	21.0	30.7	27.0	64.0
COL 150-16	150.0	17.0	16.5	21.0	30.7	27.0	64.0
COL 150-20	150.0	21.0	16.5	21.0	30.7	27.0	72.0
COL 185-10	185.0	10.5	19.0	23.1	33.5	27.0	67.0
COL 185-12	185.0	13.0	19.0	23.1	33.5	27.0	67.0
COL 185-14	185.0	15.0	19.0	23.1	33.5	27.0	67.0
COL 185-16	185.0	17.0	19.0	23.1	33.5	27.0	67.0
COL 185-20	185.0	21.0	19.0	23.1	33.5	27.0	75.0
COL 240-10	240.0	10.5	21.0	26.0	37.6	33.0	76.0
COL 240-12	240.0	13.0	21.0	26.0	37.6	33.0	76.0
COL 240-14	240.0	15.0	21.0	26.0	37.6	33.0	76.0
COL 240-16	240.0	17.0	21.0	26.0	37.6	33.0	76.0
COL 240-20	240.0	21.0	21.0	26.0	37.6	33.0	82.0
COL 300-10	300.0	10.5	24.5	30.0	44.0	42.0	95.0
COL 300-12	300.0	13.0	24.5	30.0	44.0	42.0	95.0
COL 300-14	300.0	15.0	24.5	30.0	44.0	42.0	95.0
COL 300-16	300.0	17.0	24.5	30.0	44.0	42.0	95.0
COL 300-20	300.0	21.0	24.5	30.0	44.0	42.0	95.0
COL 400-12	400.0	13.0	27.0	32.2	47.2	44.0	102.0
COL 400-14	400.0	15.0	27.0	32.2	47.2	44.0	102.0
COL 400-16	400.0	17.0	27.0	32.2	47.2	44.0	102.0
COL 400-20	400.0	21.0	27.0	32.2	47.2	44.0	102.0

CRIMPING PLIERS



Ratchet Crimping Pliers - Insulated Terminals

430021 ✓ 220mm 0.5 - 6.0 / 20 - 10



Ratchet Crimping Pliers - Bell Mouth Ferrules

T3676 ✓ 350 6 - 25 / 10 - 4



Ratchet Crimping Pliers - Insulated Terminals Leverage Leverage

430019 ✓ 190mm 0.5 - 2.5 / 24 - 13



Ratchet Crimping Pliers - Small Ferrules

430018 ✓ 190mm 0.14 - 2.5 / 26 - 14



Ratchet Crimping Pliers - Non-Insulated

430025 ✓ 230mm 1.5 - 10 / 16 - 8



Ratchet Crimping Pliers - Medium Ferrules

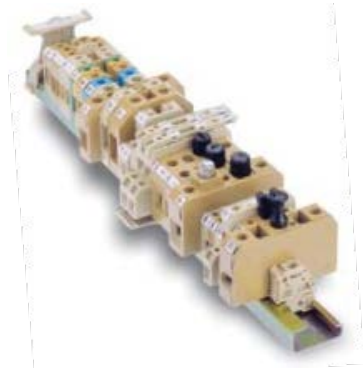
430029 ✓ 190mm 0.25 - 6.0 / 20 - 10

Weidmüller 

Feedthrough Terminals

SAK Terminals

- screw clamp technology
- 2.5mm² to 95mm²; 26 to 3/0AWG
- mounting on TS32 or TS35 DIN rail or both (combi-foot)
- available in both polyamide 6.6 and melamine materials



Z-Series

- tension (spring) clamp
- accepts all types of wire, even those with fitted ferrules
- 1.5mm² to 35mm²; 28 to 2AWG
- pluggable 2...10 pole cross-connections save time
- integrated test socket
- Wemid plastic material
- creepage resistance - CTI>600
- withstands high temperature of +120°C maximum continuous
- self-extinguishing UL94-V0
- no pollutants



W-Series

- screw clamp technology
- from 1.5mm² to 150mm²; 26AWG to 250MCM
- Wemid plastic material
- creepage resistance - CTI>600
- withstands high temperature of +120°C maximum continuous
- self-extinguishing UL94-V0
- no pollutants
- large marking tags



Feedthrough Terminals

Type	Rating CSA	Wire Size AWG	Cat.No. melamine	Melamine End Plate	Cat.No. polyamide	Polyamide End Plate	Polyamide End Plate	Polyamide
SAK 2.5	600V/25A	26...10	27962	27952	27966	27956	46056	21866
			38042	27952	38046	46056		
SAK 4	600V/36A	26...10	12832	11792	12836	11796	11797	46746
			44362	11792	44366	11796		
SAK 6N	600V/47A	20...8	19322	11792	19326	11796	11796	21286
			38052	11792	38056	11796		
SAK 6	600V/47A	20...8	10992	11792				
SAK 10	600V/65A	16...6	11002	11792	11006	11796	11796	33766
			44372	11792	44376	11796		
SAK 16	600V/87A	14...4	27102	27112	27106	27116	27116	33976
			38062	27112	38066	27116		
SAK 35N	600V/120A	12...2	55062	30362	55066	30366		
			60822	30362	60826	30366		
SAK 35	600V/145A	12...2	30352	30362	30356	30366	30366	33986
					30876	30366		

Type	Configuration	Rating CSA	Wire Size AWG	Cat.No. W	End Plate Cat. #
ZDU 2.5	single level	600V/27A	26...12	160851	160874
ZDU 2.5/3AN	1 in - 2 out	600V/27A	26...12	160854	160877
	branch				
ZDU 2.5/4AN	2 in - 2 out	600V/27A	26...12	160857	160880
	branch commoned				
ZDU 2.5/2x2AN	single level	300V/27A	26...12	160860	160880
	dual connection				
ZDU 4	single level	600V/35A	26...10	163205	163209
ZDU 6	single level	600V/50A	20...8	160862	160883
ZDU 10	single level	600V/55A	16...6	174675	174866
ZDU 16	single level	600V/65A	14...4	174523	174515

Type	Rating CSA	Wire Size AWG	Cat.No. W	End Plate Cat. #
WDU 2.5N	300V/20A	26...12	102370	106000
WDU 2.5N/600	600V/20A	26...12	173094	106000
WDU 2.5	600V/20A	26...12	102000	105000
WDU 4	600V/35A	26...10	102010	105000
WDU 6	600V/45A	20...8	102020	105000
WDU 10	600V/65A	16...6	102030	105000
WDU 16N	300V/70A	14...6	103610	not required
WDU 16	600V/65A	14...6	102040	105010
WDU 35	600V/120A	12...2	102050	105010

Weidmüller 

Fuse Terminals



ZSI 2.5

- 8mm wide
- Wemid
- tension clamp



ASK 1EN/LD

- 8mm wide
- polyamide
- combifoot for TS32 & TS35 DIN rails



WSI 6

- 8mm wide
- Wemid



KDKS 1PE

- 8mm wide
- polyamide
- fused, feed-through and ground connections
- available with combifoot but without ground connection



WSI 6/2

- 12mm wide
- Wemid



USI 16

- 17.5mm wide
- Polyamide

Type	Fuse Size	Max Fuse Rating	Cat. No. w/o Ind.	Cat.No. 24V Ind.	Cat.No. 120V Ind.	Cat.No. 230V Ind.	End Plate
	5 x 20mm	(CSA)	101100	101220	101230	101240	105000
WSI 6	5 x 25mm	10A					
WSI 6/2	1/4" x 11/4"	16A	101400	101420	101430	101440	105000
ASK 1LD	5 x 20mm	10A	47456	22276	/22556	22576	038036
KDKS 1/LD	5 x 20mm	10A	950335	980272	980276	980278	950333
KDKS 1/PE	5 x 20mm	10A	952811	915833	915835		950333
ZSI 2.5	5 x 20mm	15A	161640	161643	161642		160880
USI 16	13/32" x 11/2"						
	1 pole	30A	991073		990975	990975	n/a
	2 pole	30A	991074		991627	991627	n/a
	3 pole	30A	991076		991770	991770	n/a

- fuse failure indication is red LED
- WSI indication is AC/DC, not polarity sensitive
- ASK1, ZSI and KDKS1 indication is AC/DC with hinge side negative in DC applications
- USI indicator is neon

Disconnect Terminals



Lever Disconnect

- WTR 2.5
- ZTR 2.5
- SAKR



Pull-Pin Disconnect

- SAKC 4
- SAKC 10



Sliding Link Disconnect

- WTL 6/1/STB
- WTD 6/1

Type	Rating		End Plate	
	CSA	Cat.No.	Cat.No.	Cat. #
WTR 2.5	300V/10A	-	101110	105000
ZTR 2.5	300V/10A	-	160868	160877
SAKR	300V/10A	41216	17216	021136
SAKC 4	300V/25A	34072	35752	011792
SAKC 10	600V/25A	32402	-	014672
WTL 6/1/STB	300V/45A	101700	101690	106830

Bentech also supply:

- Phoenix Contact Terminals
- Cembre Crimp Terminals



Rittal NEMA 12 Network Enclosures



Multi-Fold Frame Design

- Torsion-free steel frame for strength and rigidity
- Multiple internal surfaces and points for mounting
- Maximum internal volume for footprint
- External access to all installation points for doors, walls and baying
- Maximum load bearing capacity of 3,200 lbs

19" Mounting Rails

- Infinitely depth adjustable; maintain load capacity regardless of rail position
- Floating installation system: 19" rails installed independent of the frame or lateral supports; can be adjusted individually
- "Z" shaped, multi-fold profile; provides high load bearing capacity and multiple mounting surfaces
- 19" mounting in 24" wide cabinets, 19" and 23" mounting in 32" wide cabinets
- "U" markings on the front and rear surfaces of each rail

Terminals for 15mm DIN Rail

Rack Units	H x W x D inches (mm)	Color	Enclosure Part	
			Number	Sidewalls
24U	48 x 24 x 24 (1200 x 600 x 600)	RAL 7035 Light Grey	9969.876	8170.235
		RAL 9005 (Black)	9969.877	9969.948
	48 x 24 x 32 (1200 x 600 x 800)	RAL 7035 Light Grey	9969.884	8175.235
		RAL 9005 (Black)	9969.885	9969.949
	48 x 32 x 32 (1200 x 800 x 800)	RAL 7035 Light Grey	9969.886	8175.235
		RAL 9005 (Black)	9969.887	9969.949
42U	79 x 24 x 24 (2000 x 600 x 600)	RAL 7035 Light Grey	9969.888	8106.235
		RAL 9005 (Black)	9969.881	9969.92
	79 x 24 x 32 (2000 x 600 x 800)	RAL 7035 Light Grey	9969.892	8108.235
		RAL 9005 (Black)	9969.893	9969.916
	79 x 32 x 32 (2000 x 800 x 800)	RAL 7035 Light Grey	9969.894	8108.235
		RAL 9005 (Black)	9969.895	9969.916
47U	87 x 24 x 24 (2200 x 600 x 600)	RAL 7035 Light Grey	9969.882	8126.235
		RAL 9005 (Black)	9969.883	9969.917
	87 x 24 x 32 (2200 x 600 x 800)	RAL 7035 Light Grey	9969.896	8128.235
		RAL 9005 (Black)	9969.897	9969.352
	87 x 32 x 32 (2200 x 800 x 800)	RAL 7035 Light Grey	9969.898	8128.235
		RAL 9005 (Black)	9969.899	9969.352



Power Distribution Unit



Benefits:

- With the compact PDU, any IT rack is easily equipped with a professional power distribution system
- With the TS IT rack, assembly is tool-free
- Compact design
- Easy to assemble
- Power-saving design, minimal inherent consumption by the PDU itself, thanks to the use of bistable relays and OLED display with power-saving function
- Integral web server for direct network connection with extensive user administration (not PDU basic/slave PDU)

- Redundant power supply from all 3 phases and additionally via an existing PoE (Power over Ethernet) network
- Extensive range of management and monitoring functions
- High-MTBF and measurement accuracy of 1%
- CAN bus for connecting slave PDUs (not with PDU basic)
- Ambient monitoring with up to 4 CMC III sensors (temperature, humidity, access, vandalism)

PDU design variants:

- PDU basic
- Robust, compact basic power distributor for the IT environment
- PDU metered
- Energy measurement per phase, i.e. output requirement of an entire IT rack
- PDU switched
- Measurement function per phase and individually switchable output slots
- PDU managed
- High-end IT rack, power distribution with energy measurement and monitoring functions for each individual output slot

Material:

- Extruded aluminium section, anodised
- Protection category IP to IEC 60 529:
 - IP 20
- Standards:
 - EN 60 950
 - EN 61 000-4
 - EN 61 000-6
 - EN 55 022
- Low Voltage Directive:
 - 2014/35/EU
- EMC directive:
 - 2014/30/EU
- Photo shows a configuration example with equipment not included in the scope of supply

PDU international, basic version

Power			Pin patterns			Dimensions			PDU installed in rack/min. enclosure height mm		
No. of phases	Phase current A	Output kW	PDU			Dimensions PDU length mm	TS IT			TE 8000 482.6 mm (19") mounting	Model No.
			Input	C13	C19		TS IT enclosure frame	482.6 mm (19") mounting frame	mm TS IT 482.6 mm (19") mounting angles		
1	16	3.6	CEE	24	4	970	1200	1200	1800	2000	7955.110
1	32	7.2	CEE	24	4	1115	1800	1800	1800	2000	7955.111
3	16	11	CEE	18	3	845	1200	1200	1200	1200	7955.131
3	16	11	CEE	24	6	1145	1800	1800	1800	2000	7955.132
3	32	22	CEE	24	6	1365	1800	1800	1800	2000	7955.133
3	32	22	CEE	36	6	1710	2000	2000	2000	-	7955.134
3	16	11	CEE	42	-	1405	1800	1800	1800	2000	7955.135



Wall-mounted enclosures AE



Wall-mounted enclosure for small networks with a high protection category.

Material:

- Enclosure: Sheet steel
 - Surface finish:
 - Enclosure: Powder-coated
 - Mounting angles: Zinc-plated
- Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- Up to IP 66 (depending on the selected gland pate)

Supply includes:

- Enclosure with hinged door
- Door hinged on the right, may be swapped to the left
- Cam lock with 3 mm double-bit insert
- Gland plate with brush strip for cable entry in the enclosure base
- Mounting angles, 482.6 mm (19"), fully depth adjustable
- C rail, for cable clamping on the rear panel
- Metal bracket for optional accommodation of an earth rail or 482.6 mm (19") socket strip

Approvals:

- UL
- CSA
- TÜV
- Germanischer Lloyd
- Lloyds Register of Shipping

With 482.6 mm (19") mounting angles, depth-variable

Units U	Packs of	8	13	16
Width mm		600	600	600
Height mm		380	600	760
Depth mm		350	350	350
Max. installation depth mm		310	310	310
Cam locks		1	2	2
Model No.	1 pc(s).	7641.000	7643.000	7645.000
Gland plate, size		5	5	5
Gland plate, qty.		1	1	1

Bentech supply a wide range of Rittal Enclosures & parts – contact us for more info

APC Back-UPS 325

Part Number: BE325-UK

Battery Backup with Surge Protection for Electronics and Computers



APC by Schneider Electric's Back-UPS 325 provides enough battery backup power so you can work through short length power outages. It also safeguards your equipment against damaging surges and spikes that travel along utility and phone lines. The Back-UPS series is "greener" than ever, using an ultra-efficient design that consumes less power during normal operation than any other battery backup in its class. This reduces your energy costs and environmental impact. Combined with all of the standard features of the Back-UPS series, the 325 is the perfect unit to protect your productivity from the constant threat of bad power and lost data.



APC Back-UPS® Pro 550



SMT2200I







CLIPSAFE junction boxes and empty enclosures



**ATEX
APPROVED**



Ex stainless steel empty enclosures

The stainless steel Ex enclosure product range provides comprehensive protection for your applications in industrial environments and in process technology. The product range consists of standardized enclosures in sizes up to 1000 mm x 1000 mm x 300 mm. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Ex polyester empty enclosure

The comprehensive range of polyester Ex enclosures provides comprehensive protection for your applications in Ex areas. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Polyester empty enclosure

The extensive standard polyester enclosure range provides robust standard enclosures for industrial environments as well as for non-potentially explosive areas in the process industry. The enclosures are expanded in line with your requirements into junction boxes and control boxes.

Stainless Steel EX Enclosures — ATEX and IEC approved

Rittal EX stainless steel enclosures, designed for EX e (increased safety) protection, are ideal where difficult conditions are found, including:

- Chemical and petrochemical industries
- Offshore energy prospecting and production
- The pharmaceutical market
- Grain handling and processing
- Water and waste water handling

and virtually any market where ATEX requirements must be met. Rittal's ATEX- and IEC-rated enclosures are available in several key sizes for Zones 1 and 2 or 21 and 22 to 94/9/EC standards. With foamed-in-place silicone gaskets, these Type 304 Stainless Steel units provide reliable protection in potentially explosive atmospheres.



- ATEX and IEC approved
- Ex e certified
- Ambient temperature range -22° to $+176^{\circ}$ F (-30° to $+80^{\circ}$ C)
- Type 304 Stainless Steel body/door/cover
- Foamed-in-place silicone gasket
- Mounting panel is zinc-plated carbon steel to provide instant grounding for installed equipment
- Accessories include wall mounting brackets, grounding straps and rails

- Protection ratings IP 66 to IEC 60 529
- Certificates:
- Enclosure with cover:
PTB 03 ATEX 1013U
IEC Ex PTB 09.0033U
 - Enclosure with door:
PTB 02 ATEX 1082U
IEC Ex PTB 09.0035U

Application range:

- Zone 1 and 2 or 21 and 22 to 94/9/EC
- Ambient temp. range: -22° to +176° F (-30° to +80° C)
- Protection to IEC 60 079

Material:

- Enclosure: Type 304 stainless steel (Type 316 also available; extended lead times)

- Cover or door:

- Type 304 stainless steel, all-round foamed in silicone seal (Type 316 also available; extended lead times)
- Mounting panel: Carbon steel
- Surface finish:
- Enclosure: Brushed, grain 240
- Mounting panel: Zinc-plated
- Protection rating:
- IP 66 to IEC 60 529

Configuration:

- Enclosure
- Cover or door
- Mounting panel (only for enclosures with door)
- Optional gland plates (extended lead times)
- Approvals:
- ATEX
- IEC
- CE

Certificates:

- Enclosure with cover:
- PTB 03 ATEX 1013U
- IEC Ex PTB 09.0033U
- Enclosure with door:
- PTB 02 ATEX 1082U
- IEC Ex PTB 09.0035U
- Detailed drawings:
- Available at www.rittal.us

With screw fastened cover

Height inches (mm)	Packs of	6 (150)	8 (200)	6 (150)	8 (200)	12 (300)	8 (200)
Width inches (mm)		6 (150)	8 (200)	12 (300)	12 (300)	12 (300)	16 (400)
Depth inches (mm)		3 (80)	3 (80)	3 (80)	3 (80)	5 (120)	5 (120)
Part No.	1	9301.000	9303.000	9302.000	9304.000	9306.000	9305.000
Weight lb (kg)		2.9 (1.3)	4.0 (1.8)	14.0 (1.8)	5.3 (2.4)	8.6 (3.9)	7.9 (3.6)

Accessories

Mounting panel	1	1560.700	1562.700	1561.700	1563.700	1567.700	1564.700
Wall mounting bracket ¹⁾	4	1594.000	1594.000	1594.000	1594.000	1594.000	1594.000
Support rails TS 35/7.5	10	2314.000	2315.000	2316.000	2316.000	2316.000	2317.000

With hinged door

Height inches (mm)	Packs of	12 (300)	15 (380)	12 (300)	15 (380)	24 (600)	24 (600)	30 (760)	30 (760)	39 (1000)
Width inches (mm)		8 (200)	12 (300)	15 (380)	15 (380)	15 (380)	24 (600)	24 (600)	30 (760)	32 (800)
Depth inches (mm)		6 (155)	8 (210)	6 (155)	8 (210)	8 (210)	8 (210)	8 (210)	12 (300)	12 (300)
Mounting panel height inches (mm)		11 (275)	11 (275)	11 (275)	14 (355)	22 (570)	22 (570)	29 (730)	29 (730)	38 (955)
Mounting panel width inches (mm)		6 (162)	13 (334)	13 (334)	13 (334)	13 (334)	22 (549)	22 (549)	28 (704)	29 (739)
Part No.	1	9401.600	9409.600	9402.600	9403.600	9404.600	9405.600	9406.600	9407.600	9408.600
Cam lock with double-bit insert		1	1	1	1	2	2	2	2	2
Weight lb (kg)		8.4 (3.8)	17.0 (7.7)	163 (7.4)	21.3 (9.7)	29.3 (13.3)	34.3 (15.6)	49.1 (22.3)	67.1 (30.5)	79.9 (36.3)

Accessories

Wall mounting bracket ¹⁾	4	2433.000	2433.000	2433.000	2433.000	2433.000	2433.000	2433.000	2433.000	2433.000
Support rails TS 35/7.5	10	2315.000	2316.000	-	-	-	2319.000	2319.000	-	-
Rails for interior installation	4	-	2373.210	-	2373.210	2373.210	2373.210	2373.210	2373.300	2373.300
Perforated mounting strip	20	-	2310.038	-	2310.038	-	-	-	-	-



Overall external dimensions (mm)			Overall external dimensions (mm)			Body (mm)	Cover (mm)	Material ABS IP66 IK07		PC-UL IP66 IK08	
Height	Width	Depth	Height	Width	Depth			Opaque cover		Opaque cover	Transparent cover
74	74	54	65	65	47	37	10	NSYBTS775		NSYBTP775	-
		54	80	80	47	37	10	NSYBTS885		NSYBTP885	-
89	89	62	105	65	55	45	10	NSYBTS1176		NSYBTP1176	-
		94	105	65	85	45	40	NSYBTS1179H		-	-
116	74	62	105	105	55	45	10	NSYBTS11116		NSYBTP11116	-
		116	105	105	125	45	80	NSYBTS111113H		-	-
		72	125	80	65	45	20	NSYBTS1397		NSYBTP1397	NSYBTP1397T
138	93	87	150	105	80	60	20	NSYBTS16128		NSYBTP16128	NSYBTP16128T
		87	175	105	80	60	20	NSYBTS19128		NSYBTP19128	NSYBTP19128T
164	121	105	175	105	100	60	40	NSYBTS191210H		NSYBTP191210H	NSYBTP191210HT
		87	175	150	80	60	20	NSYBTS19168		NSYBTP19168	NSYBTP19168T
192	121	105	175	150	100	60	40	NSYBTS191610H		NSYBTP191610H	NSYBTP191610HT
		87	225	175	80	60	20	NSYBTS24198		NSYBTP24198	NSYBTP24198T
		164	107	225	175	80	20	NSYBTS241910		NSYBTP241910	NSYBTP241910T
		107	225	175	100	60	40	NSYBTS241910H		NSYBTP241910H	NSYBTP241910HT
241	194	127	225	175	120	80	40	NSYBTS241912H		NSYBTP241912H	NSYBTP241912HT
		88	275	225	80	60	20	NSYBTS29248		NSYBTP29248	NSYBTP29248T
291	241	128	275	225	120	100	20	NSYBTS292412		NSYBTP292412	NSYBTP292412T
		128	275	225	120	60	60	NSYBTS292412H		NSYBTP292412H	NSYBTP292412HT
		168	275	225	160	100	60	NSYBTS292416H		NSYBTP292416H	NSYBTP292416HT
		128	325	275	120	100	20	NSYBTS342912		NSYBTP342912	NSYBTP342912T
341	291	168	325	275	160	100	60	NSYBTS342916H		NSYBTP342916H	NSYBTP342916HT

ENCLOSURES FOR EXPLOSIVE ATMOSPHERES

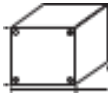


Dimensions (mm)			Spacial S3DEX	Spacial S3XEX	Thalassa PLMEX-
Height	Width	Depth	References		
300	200	150	NSYS3DEX3215	NSYS3XEX3215	-
	300	200	NSYS3DEX3320	-	NSYPLMEX3025
308	255	160	-	-	-
400	300	200	NSYS3DEX4320	NSYS3XEX4320	-
	400	200	NSYS3DEX4420	-	NSYPLMEX43
430	330	200	-	-	-
500	400	200	NSYS3DEX5420	NSYS3XEX5420	NSYPLMEX54
530	430	200	-	-	-
600	400	200	-	NSYS3XEX6420	-
		250	NSYS3DEX6425	-	-
	600	250	NSYS3DEX6625	-	NSYPLMEX64
647	436	250	-	-	-
700	500	250	NSYS3DEX7525	NSYS3XEX7525	NSYPLMEX75
747	536	300	-	-	-
800	600	250	-	NSYS3XEX8625	-
		300	NSYS3DEX8630	-	NSYPLMEX86
847	636	300	-	-	-
1000	800	300	NSYS3DEX10830	NSYS3XEX10830	NSYPLMEX108
1056	852	350	-	-	-



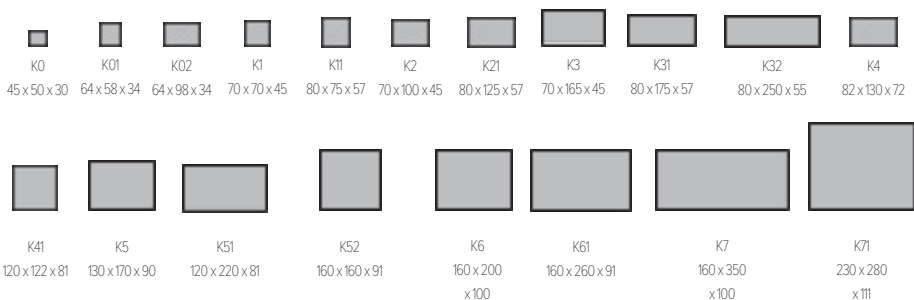
Klippon® K – Technical overview

Ordering data – enclosure overview

Description	Height x width x depth in mm 	Standard		Ex enclosure	
		Powder-coated (RAL7001)		Unpainted	Unpainted
		CR moulded seal	Silicone moulded seal*	CR moulded seal	Silicone moulded seal
Klippon® K 0	45 x 50 x 30	9529090000	1937920000	0573200000	9526810000
Klippon® K 01	64 x 58 x 34	9529100000	1937850000	1565240000	9526820000
Klippon® K 02	64 x 98 x 34	9529110000	1937840000	1565250000	9526830000
Klippon® K 1	70 x 70 x 45	9529120000	1937630000	0342000000	9526840000
Klippon® K 11	802 x 75 x 57	9529130000	1937910000	0573300000	9526850000
Klippon® K 2	70 x 100 x 45	9529140000	1937930000	0342100000	9526860000
Klippon® K 21	80 x 125 x 57	9529150000	1937830000	0573400000	9526870000
Klippon® K 3	70 x 165 x 45	9529160000	1937900000	0342200000	9526880000
Klippon® K 31	80 x 175 x 57	9529170000	1937820000	0573500000	9526890000
Klippon® K 32	80 x 250 x 55	9529180000	1937810000	1565260000	9526900000
Klippon® K 4	82 x 130 x 72	9529190000	1937890000	0342300000	9526910000
Klippon® K 41	120 x 122 x 81	9529200000	1937800000	1565270000	9526920000
Klippon® K 5	130 x 170 x 90	9529210000	1937860000	0342400000	9526930000
Klippon® K 51	120 x 220 x 81	9529220000	1937750000	1565280000	9526940000
Klippon® K 52	160 x 160 x 91	9529230000	1937740000	1565290000	9526950000
Klippon® K 6	160 x 200 x 100	9529240000	1937870000	0342500000	9526960000
Klippon® K 61	160 x 260 x 91	9529250000	1937730000	0573600000	9526970000
Klippon® K 7	160 x 350 x 100	9529260000	1937880000	0342600000	9526980000
Klippon® K 71	230 x 280 x 111	9529270000	1937720000	0573700000	9526990000

Klippon® K – Enclosure sizes

Height x width x depth

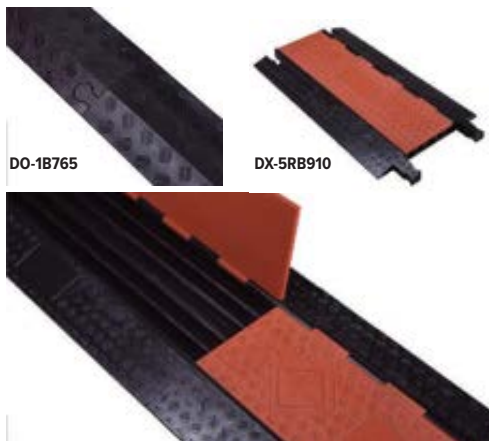






Drive-Over Cable Protectors

- Made from high-grade virgin polyurethane to provide outstanding tear & shear strength, and also exceptional abrasion, tensile and compression stress resistances (superior to PVC alternatives)
 - All lengths can be simply joined by interlocking male:female connectors
 - Can accept all vehicular traffic (UK max 11.5t Axle Weight)
 - All 3 and 5 cavity versions have solid bases with compartmentalised channels, and toughened-hinged lids. Suitable for armoured cables, hoses and pipes
 - Single cavity option simply lays over cables.
- Ideal for flexes and arctic-grade cables up to 12mm diameter
- End Caps can provide perfect finish
 - Carrying handle on reverse side
 - Produced in UK
 - Longevity of use enables exceptional value



Code	Dimensions (LxWxH)	Cavity Sizes	Colour	Axle Weight
DO-1B765	765 x 133 x 22mm	1x 38x12mm	Black	10.0t
EC-1B765	End Cap Pair for DO-1B765			
DO-3BR920	920 x 460 x 35mm	3x 64x18mm	Black Lid,	12.4t
EC-3BR920	End Cap Pair for DO-3BR920		Red Base	
DX-5RB910	910 x 505 x 45mm	4x 34x30mm	Red Lid,	
EC-5RB910	End Cap Pair for DX-5RB910	1x 4x30mm	Black Base	
DX-3RB910	910 x 473 x 75mm	3x 53x52mm	Red Lid,	15.3t
EC-3RB910	End Cap Pair for DX-3RB910		Black Base	17.6t



DO-1B765



DO-3BR920



DX-5RB910



DX-3RB910



Cable Protect

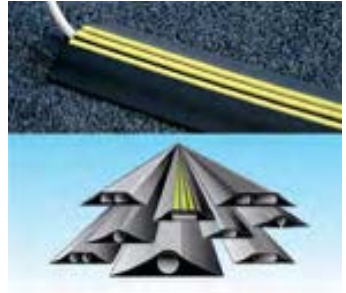
Prevents accidents caused by trailing cables and leads

Cable protect can be used indoors and outdoors and on roads to protect temporary traffic light cables, etc.

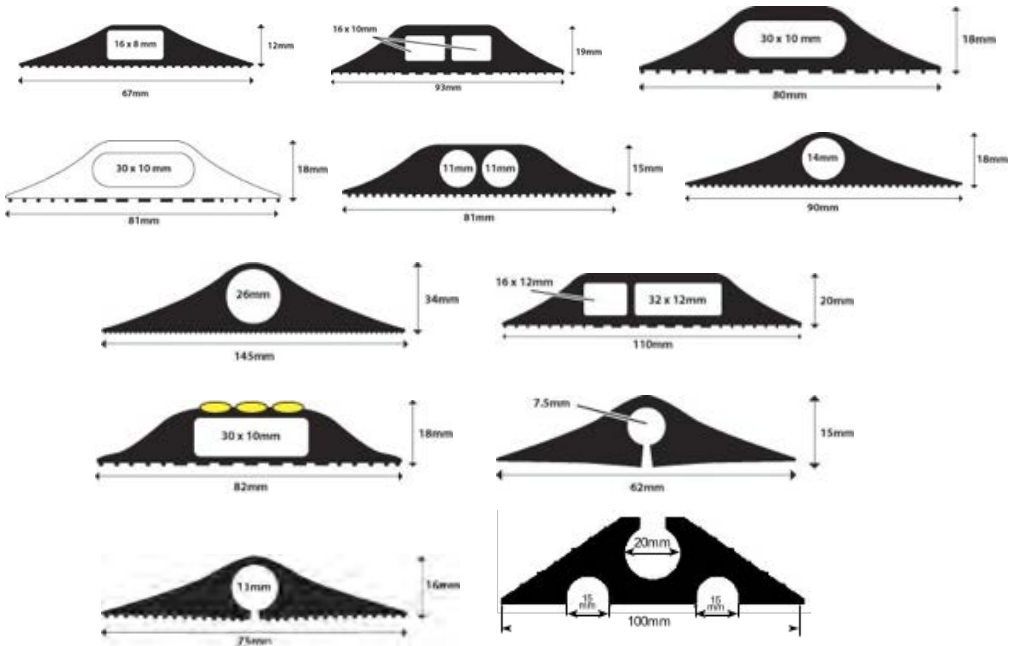
Manufactured in flexible vinyl and tested to BS6458 and BS2782 Easily installed – simply unroll and cut to desired length

Cables or leads can be pulled through the bore hole, or the cable protect can be slit at the base for easy insertion of cable

Cut lengths available upon request



Part No	Description	hole Size [mm]	Overall Size [mm]	Colour	Application
C41022	Cable Protect Phone	16 x 8	67 x 12 x 9m	Black/Grey	Up to 4 phone leads
C40964	Cable Protect Combi	16 x 10 each	93 x 19 x 9m	Black/Grey	Separating groups of cables
C41084	Cable Protect Multi	30 x 10	80 x 18 x 9m	Black/Grey	Multiple cables
C41086	Cable Protect Multi	30 x 10	80 x 18 x 9m	Clear	Multiple cables
C40988	Cable Protect Speedi	11	75 x 16 x 9m	Black/Grey	Rapid installation
C41046	Cable Protect Double	11 each	81 x 15 x 9m	Black/Grey	Separation of cables and leads
C40940	Cable Protect Large	14	90 x 18 x 9m	Black/Grey	Larger diameter cables & leads Also available "DTP approved"
C41008	Cable Protect Power	26	145 x 34 x 5m	Black only	Power & armoured cables up to ø 1
C41849	Cable Protect Comnet	32 x 12	110 x 20 x 9m	Black/Grey	Power & armoured cables up to ø 1
C41881	Cable Protect Hazard	30 x 10	80 x 18 x 9m	Blk/Yellow Wt/Blue	Ideal where power & data lead
C41883		30 x 10	80 x 18 x 9m	Wt/Red	Capacity is unequal
C41885		30 x 10	80 x 18 x 9m	Black only	Eye catching stripes
C41036	Cable Protect Micro	7.5	62 x 15 x 9m	Black	Slit base for easy cable insertion
C42106	Cableprotect H/Duty	20	100 x 30 x 9m	Black	Use with small cables
C42108	Cableprotect H/Duty	40	165 x 55 x 4m	Black	Suitable for temporary traffic Suitable for temporary traffic



ELECTRICAL MATTING

Bentech UK offer the most extensive and compliant range of Electrical Safety Matting/Switchboard Matting from the UK - BS EN 61111 2009 (all classes), ASTM, BS 921 and VDE.

BS 921 1976 is a formerly recognised British Standard that has now been replaced by BS EN 61111 2009 - this type of matting is still being sold up to 650V working insulation.

BS EN 61111 2009 is the only standard for electrical matting that is recognised internationally.



Fine Ribbed Rubber Matting to IEC61111-2009

Our Black and Grey Fine Ribbed Rubber Matting to IEC61111-2009 Class 0, 1,2,3 & 4 is a high quality electrical safety matting fully tested to 1,000,7500,17000,26500 and 36,000 volts working voltage depending on class. The regulation standard is stamped on the reverse of each roll at 1000mm intervals.

Compounded using EPDM and supplied with FULL certification, which not only covers voltage tests, but all of the other IEC clauses/stipulations like Oil and acid resistance. If your current supplier does not meet the additional clauses and only tests working voltage, your matting MAY NOT fully comply to the IEC61111 standard.

Thickness / Maximum safety working voltage options:

- Class 0 - 3mm Thick 1000v
- Class 1 - 3mm Thick 7500v
- Class 2 - 4.0mm Thick 17000v
- Class 3 - 4.5mm Thick 26500v
- Class 4 - 5mm Thick 36000v



When you buy our range of UK manufactured Electrical Matting we can guarantee they are certified by regulators such as the Water Regulations Advisory Scheme (WRAS), the Regulation of Hazardous Substance (RoSH) and other governing bodies that set high standards to ensure the safety of the matting.



Heads Up Lite™ 2690Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AAA Alkaline (included)
LENGTH//
7.1 cm (2.81")
CERTIFICATIONS//
I M1 Ex ia I Ma, II 1 G Ex ia IIC T4 Ga,
II 1D Ex ia IIIC T65°C Da

Heads Up Lite™ 2745Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AAA Alkaline (included)
LENGTH//
5.7 cm (2.25")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga
MODES//
High / Low

Heads Up Lite™ 2755Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AAA Alkaline (included)
LENGTH//
5.7 cm (2.25")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga
MODES//
High / Low / Flashing

Heads Up Lite™ 2765Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AAA Alkaline (included)
LENGTH//
5.7 cm (2.25")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga

Heads Up Lite™ 2785Z1



LIGHT SOURCE//
LED
BATTERIES//
4 AA Alkaline (included)
LENGTH//
7.6 cm (3.00")
CERTIFICATIONS//
II 2 G Ex ia IIC T4 Gb
MODES//
High / Medium / Low / Down-
cast / Spot / Flashing

ATEX RANGE

3315Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AA Alkaline (included)
LENGTH//
15.6 cm (6.14")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga,
II 1 D Ex ia IIIC T130°C Da

3315RZ1



LIGHT SOURCE//
LED
BATTERIES//
Lithium-Ion
LENGTH//
15.5 cm (6.11")
CERTIFICATIONS//
II 2 G Ex ib op is IIC T4 Gb
MODES//
High / Low / Flashing

3315RZ1-RA



LIGHT SOURCE//
LED
BATTERIES//
Lithium-Ion (included)
LENGTH//
21 cm (8.27")
CERTIFICATIONS//
II 2 G Ex ib op is IIC T4 Gb
MODES//
High / Low / Flashing

3325Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AA Alkaline (included)
LENGTH//
15.4 cm (6.06")
CERTIFICATIONS//

3715Z0



LIGHT SOURCE//
LED
BATTERIES//
4 AA Alkaline
LENGTH//
13.6 cm (5.36")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga, II 1 D Ex
ia IIC T130c Da
MODES//
High / Low / Downcast

Little Ed™ 3660Z1



LIGHT SOURCE//
LED
BATTERIES//
4 AA NIMHA (included)
LENGTH//
19.1 cm (7.51")
CERTIFICATIONS//
II 2 G Ex ib IIC T4 Gb

Little Ed™ 3610Z0



LIGHT SOURCE//
LED
BATTERIES//
4 AA Alkaline (included)
LENGTH//
19.1 cm (7.51")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga, II 1 D Ex
ia IIC T135°C Da

3765Z0



LIGHT SOURCE//
LED
BATTERIES//
4 AA NIMH
LENGTH//
13.6 cm (5.36")
CERTIFICATIONS//
II 1 G Ex ia op is IIC T3 Ga
MODES//
High / Low / Downcast

9415Z0 LED Lantern



LIGHT SOURCE//
LED
BATTERIES//
4 C NIMH (included)
LENGTH//
22.2 cm (8.75")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga

ATEX LIGHTS

Zone 0 & 1 (Cat. 1 & 2)

Peli's extensive range of Zone 0 and Zone 1 torches complies with the highest standards of the ATEX Directive and meet the IEC (International Electrotechnical Commission) requirements. Designed for use in hazardous areas, professionals working in the pharmaceutical, fire and rescue, hazmat and other high-risk industries can be confident that Peli offers the safety approvals needed for a large variety of risky situations.



MityLite™ 1900Z1



LIGHT SOURCE//
Incandescent (Xenon)
BATTERIES//
2 AAA Alkaline (included)
LENGTH//
10.4 cm (4.09")
CERTIFICATIONS//
II 2 G Ex e ib IIB T4 Gb, II 2 D Ex
ib IIIC T100°C Db

L1™ 1930Z0



LIGHT SOURCE//
LED
BATTERIES//
4 LR 44 Alkaline (included)
LENGTH//
6.7 cm (2.64")
CERTIFICATIONS//
II 1 G Ex ia op is IIC T6/T4 Ga

MityLite™ 1965Z0



LIGHT SOURCE//
LED
BATTERIES//
2 AAA Alkaline
LENGTH//
13.9 cm (5.48")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga, II 1 D Ex ia
IIIC T90°C Da

Sabre Lite™ 2000Z1



LIGHT SOURCE//
Incandescent (Xenon)
BATTERIES//
3 C Alkaline (not included)
LENGTH//
19.8 cm (7.79")
CERTIFICATIONS//
II 2 G Ex e ib IIC T4 Gb, II 2 G
Ex e ib IIC T150°C Gb

Sabre Lite™ 2010Z0



LIGHT SOURCE//
LED
BATTERIES//
3 C Alkaline (not included)
LENGTH//
20.6 cm (8.11")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 T3 Ga, II 1 D ia IIIC
T135c T200c Da IP6X

VB3™ 2220Z1



LIGHT SOURCE//
LED
BATTERIES//
2 CR2032 Lithium (included)
LENGTH//
8.9 cm (3.50")
CERTIFICATIONS//
II 2 G Ex ib op is IIC

Stealth Lite™ 2400Z1



LIGHT SOURCE//
Incandescent (Xenon)
BATTERIES//
4 AA Alkaline (included)
LENGTH//
16.5 cm (6.49")
CERTIFICATIONS//
II 2 G Ex e ib IIC T4 Gb

Stealth Lite™ 2410Z0



LIGHT SOURCE//
LED
BATTERIES//
4 AA Alkaline (included)
LENGTH//
17.8 cm (7")
CERTIFICATIONS//
II 1 G Ex ia IIC T4 Ga, II 1 D Ex
ia IIIC T135°C Da

Stealth Lite™ 2460Z1



LIGHT SOURCE//
LED
BATTERIES//
4 AA NiMH (included)
LENGTH//
17.8 cm (7")
CERTIFICATIONS//
II 2 G Ex ib IIC T4 Gb

Heads Up Lite™ 2610Z0



LIGHT SOURCE//
LED
BATTERIES//
3 AAA Alkaline
(included)
LENGTH//
3.8 cm (1.49")
CERTIFICATIONS//
II 1 G Ex ia op is IIC
T4 Ga



ASTM INSULATING RUBBER GLOVES

Insulating rubber gloves offer personal protection against electrical shocks when working on or near live wires. Our gloves comply with the ASTM standard (ASTM D 120). The acceptance levels for mechanical tests are stricter. Our gloves are made of rubber especially treated to obtain high dielectric characteristics and they are individually tested and sold in an individual packaging.



Reference	Class	Voltage (AC)	Inch	Color
CGA-00-(*)-B	00	500 V	14	Black
CGA-0-(*)-B	0	1 000 V	14	
CGA-1-(*)-NB	1	7 500 V	14	Bi-colour: Black outside. Natural inside.
CGA-2-(**)-NB	2	17 000 V	14	
CGA-3-(**)-NB	3	26 500 V	14	
CGA-4-(***)-NB	4	36 000 V	16	

(*) Complete by size codes 07 to 12 (sizes 7 and 12 on request). (**) Complete by size codes 08 to 12. (***) Complete by size codes 09 to 12.

INSULATING RUBBER GLOVES

Gloves without mechanical protection for use with silicon leather glove covers.



Reference	Class	Voltage (AC)	Category		Color
CG-05-(*)	00	500 V	AZC	360	Natural Color
CG-10-(*)	0	1000V	AZC	360	

Reference	Class	Voltage (AC)	Category		Bi-colour:
CG-1-(*)-NR	1	7 500 V	AZC	360	Red outside.
CG-2-(**)-NR	2	17 000 V	RC	360	
CG-3-(**)-NR	3	26 500 V		360	Natural
CG-4-(***)-NR				410	



(*) Complete by size codes 07 to 12 (sizes 07 and 12 on request). (**) Complete by size codes 08 to 12. (***) Complete by size codes 09 to 12.

Reference	Characteristics	mm	weight kg
CD-128	2 operating modes: BAPI (factory setting) or BAES (automatic mode is triggered during power cut) 1 LED 1W white Autonomy 1 H to 3 H depending on the position of the switch 45 lm / 3 H: 1st support / 100 lm / 1 H: 2nd support In compliance with the standard BAPI NFC 71810 Battery Ni Cd 1 battery 2.4V 1.5Ah - Power supply 230V - 50 / 60HZ Operating Temperature 0 °C to + 40 °C Protection indices IP42 and IK10 I - Class II	240 x 138 x 60 0.68	0.6
CD-124	Delivered with a wall mounted support. Operates: 1 hour (12 W), 2 hours (6 W) Rechargeable on 230 V 50/60 Hz	100 x 190 x 220 1.9	1.9



CD-128



CD-124

100% LED - up to 3 hours of battery life - Small and very light - Adjustable handle.

MANOEUVERING AND RESCUE STICKS

White resin polyester/glass fiber foam filled tube.

Reference		mm	weight kg
M-45	45 kV	1.50 m	7.50
CS-45 *	45 kV	1.65 m	1.00
CM-90	90 kV	1.85 m	0.80
CS-90 *	90 kV	2.05 m	1.10
CM-225	225 kV	2.25 m	0.85
CS-225 *	225 kV	2.45 m	1.35

* Delivered complete with non-removable hook and wall supports.
Cannot be used in rain.

CS-45

CM-45



APERTURE HOUSING

Compatible with NF C 13-100.

Moulded plastic. Installed outside by tightening three screws on a steel clamp.

Reference	Passage	weight kg
CI-70	60mm	0,14





LIFE SAVING KITS FOR M.V. SUBSTATIONS

Complete equipment allowing intervention on victims in case of an electrical hazard. Delivered in a plastic box with transparent cover for immediate visualization of contents and wall mounting kit.

Composition :

- Insulated cable cutter. Forged steel blades. Maximum opening 30 mm. (CZ-60)
- Insulating platform 24 or 36 kV. (CT-7-25/1)
- Rescue telescopic stick. (M952160)
- Voltage detector with flexible antenna contact (with autotest). (M952170)
- Safety instructions on the plastic board. (CG-3-10-NR/CZ-54)
- High voltage insulating gloves, talcum powder can. (CG-4-10-NR/CZ-55) - (CG-3-10-NR/CZ-54)
- Insulating boots. (MV-137-45)
- Wall mounted cabinet.

- . Emergency supplies at your fingertips.
- . Protection against dust and shock.



Reference	Characteristics			
		24 kV	840 x 754 x 270 mm	21 kg
CZ-54-R	English instructions	24 kV	840 x 754 x 270	21
CZ-54-RM	English/Arabic instructions	24 kV	840 x 754 x 270	21
CZ-55-R	English instructions	36 kV	840 x 754 x 270	21
CZ-55-RM	English/Arabic instructions	36 kV	840 x 754 x 270	21

INSULATED CABLE CUTTER

Insulated handles 25 kV.
Maxi cable : 30 mm.
Section = 150 mm².
Maximum opening: 30 mm.

Reference	mm	weight kg
CZ-60	0.630 m	2.2



EYE PROTECTION

3m 2720 classic line safety spectacles	20871 Caterpillar jet womens spectacles	BBB5 Beeswift spectacles (Pack of 10)	BBM7 Beeswift B Brand 7.5 mesh visor	BBSC Beeswift Spectacle case (pack of 10)	Beeswift BBMEFV8 B-Brand Metal Edge 8" Visor
Bolle BOBLV Visor	Caterpillar dozer wraparound spectacles	Caterpillar track rimless spectacles	PW20 Portwest direct vent goggles (pack of 10)	Portwest PW21 Indirect vent goggle (Pack of 10)	Portwest PW33 Classic Safety Eye Screen (pack of 12)
PW91 Portwest Browguard with clear visor	PW94 Portwest replacement mesh visor	PW96 portwest molten metal face shield plus	Scott IB2000 Browguard		

HELMET WITH BUILT-IN FACE SHIELD

Industrial helmet with integrated face shield.
Approved for protecting against the thermal energy of an electric arc

- . Head fit adjustment by milled wheel. Size from 52 to 66 cm.
- . Adjusting the height position.
- . Panoramic face shield in non-scratch and anti-mist polycarbonate.
- . Chinstrap (with Velcro fastening).

Reference	Color	Anti UV
MO-185-BL	WHITE	2-1.2
MO-185-R	RED	2-1.2
MO-185-J	YELLOW	2-1.2
MO-185-B	BLUE	2-1.2
MO-185-BLM	WHITE + Chinstrap with a chin	2-1.2



Class E20kV as per ANSI Z89-1 Equivalent class 1-7.5kV as per IEC standard Protection tests against thermal hazards of an electric arc IEC 61482-1-2 GS-ET-29 Class 1
EN 397
EN 503



REDLINE VDE



VDE Combicutter1

431004 60mm (6") 2.0mm 2.8mm >4.0mm
 Patress screw shear for damage free cutting of 3.5mm
 patress screws.
 EN 60900, ISO 5749, VDE0682/201, ASTM-F 1505



VDE Combicutter3

431008 60mm (6") 2.0mm 2.8mm >4.0mm
 Wire stripping notches for effortless & damage free
 stripping of 1.5 & 2.5mm² wire. Wire bending anvil for
 quick & damage free doubling back of copper wire.
 Patress screw shear for damage free cutting of 3.5mm
 patress screws.
 EN 60900, ISO 5749, VDE0682/201, ASTM-F 1505



VDE Combicutter1MAX

T39071-1180 180mm (7") 2.5mm 3.0mm >4.0mm
 Patress screw shear for damage free cutting of 3.5mm
 patress screws & 4mm conduit cover screws.
 EN 60900, VDE0682/201, ASTM-F 1505



VDE Combicutter3MAX

T39071-3180 180mm (7") 2.5mm 3.0mm >4.0mm
 Wire stripping notches for effortless & damage free stripping
 of 1.5 & 2.5mm² wire. Wire bending anvil for quick & damage
 free doubling back of copper wire. Patress screw shear for
 damage free cutting of 3.5mm patress screws & 4mm conduit
 cover screws.
 EN 60900, VDE0682/201, ASTM-F 1505



VDE Combicutter2

431009 160mm (6") 2.0mm 2.8mm >4.0mm
 Wire stripping notches for effortless & damage free stripping of 1.5 & 2.5mm²
 wire. Patress screw shear for damage free cutting of 3.5mm patress screws.
 EN 60900, ISO 5745, VDE0682/201, ASTM-F 1505



VDE Side Cutters - Wire Stripping

431019 160mm (6") 2.0mm 2.8mm >4.0mm
 Wire stripping notches for effortless & damage free stripping of 1.5 &
 2.5mm² wire.
 EN 60900, ISO 5749, VDE0682/201, ASTM-F 1505

REDLINE VDE



VDE Side Cutters - Standard

EN 60900, ISO 5749, VDE0682/201, ASTM-F 1505

Item Number

431018	140mm (5 1/2")	1.4mm	1.9mm	>4.0mm
431017	160mm (6")	2.0mm	2.8mm	>4.0mm
431005	180mm (7")	2.5mm	3.0mm	>4.0mm

VDE Electrician's Pliers

EN 60900, VDE0682/201, ASTM-F 1505

T39077-180 180mm (7") 1.6mm 2.5mm >4.0mm



VDE Side cutters - High Leverage

EN 60900, VDE0682/201, ASTM-F 150

Item Number

T37021180	180mm	2.2mm	3.8mm	6mm
T37021200	200mm	2.5mm	4.2mm	6mm



VDE Cable Cutters

EN 60900, VDE0682/201, ASTM-F 1505

Item Number

431030	160mm (6")	15.0mm
431031	210mm (8 1/4")	20.0mm

Bentech also supply a wide range of tool brands:





REDLINE VDE



VDE Combination Pliers

EN 60900, ISO 5746, VDE0682/201, ASTM-F 1505

Item Number

431001	165mm (6 1/2")	1.6mm	2.5mm	>4.0mm
431002	185mm (7")	1.6mm	2.5mm	>4.0mm
431003	205mm (8")	2.0mm	2.8mm	>4.0mm



VDE Wire Stripping Pliers

assisted opening for convenience.

EN 60900, VDE0682/201, ASTM-F 1505

Item Number

431012	160mm (6")	0.3 - 0.5mm
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VDE Snipe Nose Pliers - Straight

Serrated inside jaws for secure gripping.

EN 60900, ISO 5745, VDE0682/201, ASTM-F 1505

Item Number

431013	175mm (6 1/2")	1.4mm	2.0mm	>4.0mm
431014	200mm (8")	1.6mm	2.0mm	>4.0mm



VDE Snipe Nose Pliers - Bent

EN 60900, ISO 5745, VDE0682/201, ASTM-F 1505

Item Number

431015	200m (8")	1.6mm	2.5mm	>4.0mm
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VDE Pliers Set - 3 Piece

T3805 Set of 3

CONTENTS:

1x Combination pliers 180mm, 1x Combicutter 160mm,

1x Snipenose pliers 200mm



CRIMPING PLIERS



Ratchet Crimping Pliers - Insulated Terminals

430021 ✓ 220mm 0.5 - 6.0 / 20 - 10



Ratchet Crimping Pliers - Bell Mouth Ferrules

T3676 ✓ 350 6 - 25 / 10 - 4



Ratchet Crimping Pliers - Insulated Terminals Leverage Leverage

430019 ✓ 190mm 0.5 - 2.5 / 24 - 13



Ratchet Crimping Pliers - Small Ferrules

430018 ✓ 190mm 0.14 - 2.5 / 26 - 14



Ratchet Crimping Pliers - Non-Insulated

430025 ✓ 230mm 1.5 - 10 / 16 - 8



Ratchet Crimping Pliers - Medium Ferrules

430029 ✓ 190mm 0.25 - 6.0 / 20 - 10



HEAVY DUTY CUTTERS



Cable & Wire Rope Cutter

T3744 190mm 6mm 4mm



Cable Cutter - Ratchet

Item Number
 430007 190mm 32mm
 Z3677 1
 Z3677 2

Heavy Duty Cable Shears

T3679 27mm



Cable Cutter - Heavy Duty Ratchet

Item Number
 T3678 52mm Cu/Al 36mm SWA
 Z3678 1 Moving Blade
 Z3678 2 Fixed Blade

CABLE TIE TOOLS

TENSIONING TOOLS FOR NYLON CABLE TIES

TT1

Hand held cable tie tensioning tool with auto cut mechanism for use with standard Nylon cable ties from 2.5mm up to 4.8mm wide, with adjustable tensioning setting

Specification:
 Frame: Diecast steel
 Length: 155mm.
 Weight: 0.3kgs



TENSIONING TOOLS FOR STAINLESS STEEL CABLE TIES

SSTG

- Automatically tightens and cuts off the tie when it reaches the required tension.
- Adjustable tension setting.
- Ergonomic handle reduces operator fatigue.
- Can be used with one hand.
- Can be used for both coated and uncoated ties up to 7.9mm wide.
- Only suitable for stainless steel roller ball cable ties

Specification:
 Frame: Steel grade S45C
 Handle grips: Polypropylene
 Length: 180mm.
 Weight: 0.56kgs



SSAT

- A semi-automatic tool which tightens the tie to the required tension with a manual cutting mechanism.
- Two hand operation.
- Easy to use and very robust it is ideal for higher volume applications.
- Can be used for both coated and uncoated ties up to 7.6mm wide.
- Only suitable for stainless steel cable ties

Specification:
 Frame: Steel grade S45C
 Handle grips: Polypropylene
 Length: 210mm.
 Weight: 0.58kgs



THOMAS & BETTS ERG CABLE TIE GUN

The ERG50 tool from Thomas & Betts is a cable tie installation tools. This tool is used for cable tie tensile strength from 80N to 220N. The ERG50 provide a superior level of reliability and performance combined with enhanced ergonomics and comfort of use. These tools with adjustable tension and automatic cutting are ideally suited for installing all kinds of plastic cable ties in industrial and construction applications.

- Wide cable tie insertion gap make easier to insert tie into tool
- Tension adjustment wheel on nose offers easy access and quick setting
- Lightweight and ergonomic design reduces hand strain
- 360° rotating nose allow to use the tool in any position
- Adjustable grip span adapts to fit large or small hands
- Anti-recoil cut-off mechanism reduces shock and vibration to hand wrist
- Ideal for nylon cable ties 18-50 lbs., 0.094" - 0.184" cable tie width



DEXTRO VDE SCREWDRIVERS



VDE Screwdrivers - Slotted Parallel

Item Number

T49144-025	PH0	2.5mm (3/32")	75mm (3")	0.4mm (0.016")	95mm (3 3/4")
T49144-030	PH1	3.0mm (1/8")	100mm (4")	0.5mm (0.020")	95mm (3 3/4")
T49144-035	PH2	3.5mm (9/64")	100mm (4")	0.6mm (0.024")	95mm (3 3/4")
T49144-040	PH3	4.0mm (5/32")	100mm (4")	0.8mm (0.031")	107mm (4 7/32")
T49144-055		5.5mm (7/32")	125mm (5")	1.0mm (0.039")	120mm (4 3/4")
T49144-065		6.5mm (1/4")	150mm (6")	1.2mm (0.047")	120mm (4 3/4")
T49144-080		8.0mm (5/16")	175mm (7")	1.2mm (0.047")	135mm (5 5/16")
T49144-100		10.0mm (25/64")	200mm (8")	1.6mm (0.063")	135mm (5 5/16")

VDE Screwdrivers - PH

Item Number

T49142-0	PH0	3.5mm (9/64")	60mm (2 3/8")	95mm (3 3/4")
T49142-1	PH1	5.0mm (3/16")	80mm (3 1/8")	107mm (4 7/32")
T49142-2	PH2	6.0mm (15/64")	100mm (4")	120mm (4 3/4")
T49142-3	PH3	8.0mm (5/16")	150mm (6")	135mm (5 5/16")



VDE Screwdrivers - Modulo

Item Number

T49145-1	1	5.0mm (3/16")	80mm (3 1/8")	107mm (4 7/32")
T49145-2	2	6.0mm (15/34")	100mm (4")	120mm (4 3/4")

VDE Screwdrivers - PZ- Insulated Terminals

T49143-0	PZ0	3.5mm (9/64")	60mm (2 3/8")	95mm (3 3/4")
T49143-2	PZ2	6.0mm (15/64")	100mm (4")	107mm (4 7/32")
6T49143-3	PZ3	8.0mm (5/16")	150mm (6")	135mm (5 5/16")



VDE Screwdriver Set - Modulo

CONTENTS:

1 x modulo sizes 1 x 80 & 2 x 100mm.
EN 60900, VDE0682/201, ASTM-F 1505

T49146 1 & 2



DEXTRO VDE



VDE Screwdriver Set - 6 Piece Slotted/PH

CONTENTS:

1 x slotted parallel sizes 2.5 x 75, 4 x 100 & 5.5 x 125mm, 1 x PH, sizes 1 x 80 & 2 x 100mm and a mainstester.
EN 60900, VDE0682/201, ASTM-F 1505, ISO 2380-2, DIN ISO 8764
T49182



VDE Screwdriver Set - 8 Piece Slotted/PH

CONTENTS:

1 x slotted parallel sizes 2.5 x 75, 4 x 100, 5.5 x 125 & 6.5 x 150mm, 1 x PH, sizes 0 x 60, 1 x 80 & 2 x 100mm and a mainstester.
EN 60900, VDE0682/201, ASTM-F 1505, ISO 2380-2, DIN ISO 8764
T49192



Cable Stripper – Kabifix

Dual purpose cable stripper and plastic tube cutting tool. Cutting blade automatically repositions from cutting around, to cutting along the sheath for fast and damage free stripping. Adjustable cutting depth for damage free stripping.

430004
484005



VDE Cable Sheath Slitting Knife

Specially adapted knife for slitting the outer sheath of cables without damaging inner wire insulation. Individually tested to 10,000v for safe live working up to 1,000v.

EN 60900, VDE0682/201, ASTM-F 1505
484005



Electrician's Knife

Locking pocket knife with a durable, sharp, high carbon steel blade
484001



VDE Cable Knife - Straight Blade

EN 60900, VDE0682/201, ASTM-F 1505
484006



VDE Cable Knife - Hooked Blade

EN 60900, VDE0682/201, ASTM-F 1505
484007

Crimping Tools

Ratchet Handtool

Ratchet handtool for end sleeves 25, 35 and 50mm².

Part Number - HNKE50



Ratchet Tool

Ratchet tool for pre-insulated connectors.

Part Number - HP1

0.2 to 2.5mm²

Part Number - HP3

2.5 to 6mm²



Ratchet Tool

Ratchet tool for end sleeves (boot lace ferrules).

Part Number - ND4

0.5 to 4mm²

Part Number - ND3

6 to 16mm²

Part Number - ND2

1 to 6mm²

Part Number - ND1

0.3 to 1.5mm²



Ratchet Tool

Ratchet tool for un-insulated copper tube terminals.

Part Number - HN1

0.25 to 10mm²

Part Number - HN5

10 to 16mm²



CRT-RJ45 crimping tool

The RJ45 crimping tool is suitable for crimping modular plugs: 8P8C/RJ45, 6P6C/RJ-12 and 6P4C/RJ-1 and for single or stranded wire. The tool weight is 0.5Kg.

Part Number	Cable Type	Tool Length (mm)
CRT-RJ45	RJ 45-RJ12 RJ-1	203



CRT-BNC crimping tool

This crimping tool is ideal for crimping BNC compression connectors for RG59(4C) and RG6(5C).

Part Number	Tool compression from (mm)				Weight (Kg)
	Before (± 0.2)		Before (± 0.2)		
CRT-BNC	36.1	45.7	28	37.4	0.28



Battery Operated Hydraulic Crimping Tools

Battery Hydraulic Crimping Tool

Self contained hand tool. Lightweight and balanced for single handed use, 50KN crimping force. Accepts dies from CEMBRE 50KN die set range. 10 to 240mm².

Part Number - B51



Battery Hydraulic Crimping Tool

Self contained hand tool. Lightweight and balanced for single handed use, 130KN crimping force. Accepts all semi-circular slotted dies common to most 130KN tools.

Part Number - B131-C



Hand Hydraulic Crimping Tools

Compact Hand Hydraulic

Lightweight, compact hand hydraulic crimper. Pre-set overload when maximum pressure is reached. Accepts CEMBRE 50KN dies. 10 to 240mm².

Part Number - HT51



Hand Hydraulic

Hand hydraulic crimping tool. Two stage action consisting of fast advance of ram to engage connector then slower high pressure stage to complete the process. Accepts standard slotted semi circular dies.





TOOL BAGS



595003 19 SLHFH NLW

Electrician's Premium Tool Kit - UK

Constructed specifically for the professional electrician or technician, the C.K Magma Electrician's Premium Tool Kit 595003 is an extensive collection of the most commonly used tools including the award winning C.K Combicutter3 side cutters and premium quality 1000v insulated C.K DextroVDE screwdrivers. Vast storage is offered via the highly versatile and multiple award winning C.K Magma Technician's Tool Case. With over 50 pockets and holders to arrange your kit, together with a padded compartment for a laptop or test equipment, the C.K Magma Technician's Tool Case ensures you look good and work smart.

Contents:

- C.K Redline VDE Combicutter3 side cutters 165mm, Combination pliers 185mm, Snipe nose pliers 175mm
- C.K Dextro VDE Screwdrivers PZ1 & PZ2
- C.K Dextro VDE Screwdrivers PH1 & PH2
- C.K Dextro VDE Screwdrivers Slotted 2.5x75 & 4x100
- C.K Dextro VDE Screwdrivers Modulo (plus / minus tip) Size 2
- C.K Junior hacksaw
- C.K 5m/16ft ST Tape measure
- C.K Electrician's knife
- C.K Automatic wire strippers
- C.K Pocket level
- C.K VDE Mainstester
- C.K Hi-Vis Claw hammer
- C.K M3.5 Patress screw re-threading tool

The C.K Magma Electrician's Premium Tool Kit offers a huge savings off the pricing of individual items.



15952 14 piece kit

Electrician's Tool Tote Kit

Constructed specifically for the professional Electrician, the C.K Electrician's Tool Tote Kit T5952 comprises of the most commonly used electricians tools including the C.K RedLine VDE pliers and premium quality C.K DextroVDE screwdrivers. The tool kit is supplied together with the robust C.K Magma Technician's Tool Tote.

Contents:

- C.K Magma Technicians Tool Tote
- C.K RedLine VDE Side Cutters 160mm
- C.K Redline VDE Combination Pliers 180mm
- C.K Redline VDE Snipe Nose Pliers 175mm
- C.K DextroVDE Screwdriver PZD 1
- C.K DextroVDE Screwdriver PZD 2
- C.K DextroVDE Screwdriver slotted 2.5mm
- C.K DextroVDE Screwdriver slotted 4.0mm
- C.K DextroVDE Screwdriver slotted 5.5mm
- Trimming Knife
- ST Tape measure 10ft/3m
- Junior Hacksaw
- Spirit level
- Voltage detector



MULTI-METERS & TESTERS



Fluke 1662 Multifunction Tester



Fluke T110 Voltage and Continuity Testers



Fluke 115 Multimeter



Fluke 62 Max Infrared Thermometer



Fluke PRV240 Proving Unit



Fluke 323 Clamp Meter



Fluke TL165/X Non-Fuse Lead Set



Fluke LVD2 Flashlight & Tester



Fluke 1AC Voltage Detector

ALSO AVAILABLE:





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