



**Cables  
& Accessories**

**NEW!**

**Zero Halogen  
T1-ZH Trunking**

See Our Full Range  
on Page 129

**IBOCO**



**NEW!**

**PABLO  
Modular Enclosures**

**IP65**

See Our Full Range  
on Pages 100-101


**BOCCHIOTTI**



**Single Core Cables**

**Single Core Cables**

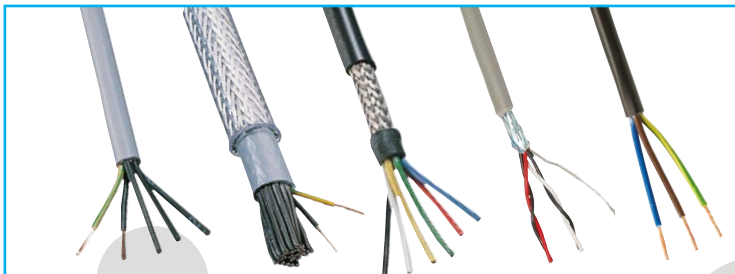
Tri-Rated PVC Cable	.....	152
Tri-Rated Zero Halogen Cable	.....	153
Tri-Rated Superflex	.....	154
BS6195 Type 4C	.....	155



**Multi-Core Cables**

**Multi-Core Cables**

YY Cables	.....	156
SY Cables	.....	157
CY Cables	.....	158
DEF Stan Multi-Core Cables	.....	159
DATA Cables	.....	160
Flexes	.....	161



**Cable Terminations**

**Cable Terminations**

Red, Blue, Yellow Crimps	.....	162-163
Ferrules	.....	164
Copper Tube Terminals	.....	165



**Cable Glands & Ties**

**Cable Glands**

Nylon Glands	.....	166
BW/CW Glands	.....	167
Nickel Plated Brass Glands	.....	167
ATEX Certified Glands	.....	168-169

**Cable Ties**

Nylon Cable Ties & Bases	.....	174
--------------------------	-------	-----




**Cable Markers & Sleeving**

**Cable Markers**

Helagrip Markers	.....	170
Partex Markers	.....	171
Easi Grip Markers	.....	172
Legrand CAB Markers	.....	172-173

**Sleeving**

Helsyn Sleeves	.....	175
Braided Sleeving	.....	176
Heatshrink Sleeving	.....	177



Flexible Tri-rated cables have been specifically designed for use in the switch, control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

Constructed from flexible stranded plain annealed copper wire to BS6360 (Class 5) with plasticised PVC insulation formulated for flexibility and comply with UL, CSA and British Standard tests for spread of flame on a single vertical cable.

### Available Colours



### Tri - Rated Cable

REF NO	Cross Sectional area mm <sup>2</sup>	AWG	Nominal Cable Dia-mm <sup>2</sup>	UL Style Number	Copper Strands per Core	Maximum Current Rating Amps	PRICE /100M
TRI-0.5	0.5	22	2.63	1015	16/0.2	11	POA
TRI-0.75	0.75	20	2.83	1015	24/0.2	14	POA
TRI-1.00	1.0	18	3.00	1015	32/0.2	17	POA
TRI-1.5	1.5	16	3.30	1015	30/0.25	21	POA
TRI-2.5	2.5	14	3.70	1015	50/0.25	30	POA
TRI-4.0	4.0	12	4.40	1015	56/0.3	41	POA
TRI-6.0	6.0	10	4.90	1015	84/0.3	53	POA
TRI-10	10	8	6.50	1028	80/0.4	75	POA
TRI-16	16	6	9.05	1283	126/0.4	100	POA
TRI-25	25	4	10.55	1283	196/0.4	136	POA
TRI-35	35	2	11.90	1283	276/0.4	167	POA
TRI-50	50	1	14.75	1284	396/0.4	204	POA
TRI-70	70	2/0	16.55	1284	396/0.5	259	POA
TRI-95	95	3/0	18.75	1284	475/0.5	321	POA
TRI-120	120	4/0	20.4	1284	608/0.5	362	POA
TRI-150	150	250MCM	23	1284	756/0.5	429	POA
TRI-185	185	350MCM	26	1284	925/0.5	496	POA
TRI-240	240	450MCM	29.5	1284	1121/0.5	595	POA

The current ratings are based on a single cable in free air with a maximum conductor temperature of 105°C and an ambient temperature of 45°C

Standard cable reel size is 100M. However we cut per metre on 16mm and above.

### Tri-rated Cable Temperature De-rating Factors

Ambient Temperature °C	50	55	60	65	70	75
Factor	.97	.90	.82	.75	.63	.52

### Tri-rated Cable Bunching De-rating Factors

Number of Cores	2	3	4	5	6	8	10
Factor	0.8	0.7	0.65	0.6	0.56	0.53	0.5



A flexible cable for use in the same applications as Tri-rated cable but has an LSF jacket. This cable has the same Class 5 stranding as Tri-rated cable and is therefore just as flexible.

Constructed from plain annealed copper conductor with LSF insulation to BS7211, 450/750 volts grade. Flame retardant to BS4066 Part 1 and Part 2 and to IEC 332-1 and IEC 332-2 omitting less than 0.5% acid gas when tested in accordance with BS6425 Part 1 and IEC 754 Part 1. Operating conductor temperature max. 90°C continuous. Minimum handling temperature -10°C.



### LSF Panel Wire

REF NO	Nominal Dia - mm <sup>2</sup>	AWG	Nominal Conductor Dia-mm <sup>2</sup>	Nominal Cable Dia-mm <sup>2</sup>	Copper Strands per Core	Maximum Current Rating	PRICE /100M
2491B0-75MM	0.75	20	1.14	3.0	24/0.2	13	POA
2491B1-0MM	1.00	18	1.32	3.2	32/0.2	17	POA
2491B1-5MM	1.5	16	1.6	3.5	30/0.25	22	POA
2491B2-5MM	2.5	14	2.0	4.2	50/0.25	30	POA
2491B4MM	4.0	12	2.6	4.8	56/0.3	40	POA
2491B6MM	6.0	10	3.3	6.3	84/0.3	51	POA
2491B10MM	10	8	4.2	7.6	80/0.4	71	POA
2491B16MM	16	6	5.7	8.8	126/0.4	95	POA
2491B25MM	25	4	7.1	11.0	196/0.4	126	POA
2491B35MM	35	2	8.5	12.5	276/0.4	156	POA

### 2491B Panel Wire Temperature De-rating Factors

Ambient Temperature °C	35	40	45	50	55	60
Factor	.96	.91	.87	.82	.76	.71

### 2491B Panel Wire Bunching De-rating Factors

Number of Cores	2	3	4	5	6	8	10
Factor	.8	.7	.65	.6	.56	.5	.46

### Bootlace Ferrules

REF NO	Size (mm)	French	German	PRICE /1000
MGB0.5	0.5	White	Orange	8.20
MGB0.75	0.75	Blue	White	8.20
MGB1.00	1.00	Red	Yellow	8.20
MGB1.5	1.5	Black	Red	8.20
MGB2.5	2.5	Grey	Blue	8.80
MGB4.0	4.0	Orange	Grey	20.48
MGB6.0	6.0	Green	Black	24.30
				Price/100
MGB10	10	Brown	Ivory	3.53
MGB16	16	Ivory	Green	7.18
MGB25	25	Black	Brown	9.60
MGB35	35	Red	Beige	11.49

### Available Colours



This highly flexible Tri-rated cable is constructed from very fine strands of copper which makes it extremely flexible. This is particularly beneficial on the larger cables where a minimal bending radius is required.

Constructed from flexible stranded plain annealed copper wire to BS6360 (Class 6) with plasticised PVC insulation.

Standards include IEC60228, IEC60092-3, BS6231, UK1581, UL83, CSA E171583



## Highly Flexible Tri - Rated Cable

REF NO	Cross Sectional area mm <sup>2</sup>	AWG	Nominal Cable Dia-mm <sup>2</sup>	Copper Strands per Core	Maximum Current Rating Amps	Minimum Bending Radius	PRICE /Metre
SUPERFLEX-10MM	10	8	6.50	318/0.2	75	23mm	POA
SUPERFLEX-16MM	16	6	8.3	504/0.2	100	30mm	POA
SUPERFLEX-25MM	25	4	9.8	770/0.2	136	35mm	POA
SUPERFLEX-35MM	35	2	11	1083/0.2	167	40mm	POA
SUPERFLEX-50MM	50	1	13.6	1558/0.2	204	49mm	POA
SUPERFLEX-70MM	70	2/0	15.2	2204/0.2	259	55mm	POA
SUPERFLEX-95MM	95	3/0	17.1	2983/0.2	321	61mm	POA
SUPERFLEX-120MM	120	4/0	18.7	3810/0.2	374	67mm	POA
SUPERFLEX-150MM	150	250MCM	20.6	4773/0.2	429	74mm	POA
SUPERFLEX-185MM	185	300MCM	22.4	5881/0.2	496	81mm	POA
SUPERFLEX-240MM	240	450MCM	25	7630/0.2	595	90mm	POA

## BS6195 Cable - Type 4C

BS 6195 Cable coil end leads are used mainly as a flexible connection to coil windings of motors, generators, transformers, circuit breakers and actuators. Also suitable in certain applications instead of tri-rated and bi-rated cables.

Nominal voltage: 600/1000V  
 Temperature range: -30°C to +90°C (flexing)  
 Temperature range: -40°C to +90°C (fixed)  
 Minimum bending radius: 6 x cable diameter (flexed)  
 4 x cable diameter (fixed)  
 Sheath: Black CPE rubber compound



REF NO	Cable Type	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	PRICE /100M
BS6195/4C-10MM	4C	1	10	1.5	8.5	POA
BS6195/4C-16MM	4C	1	16	1.5	9.6	POA
BS6195/4C-25MM	4C	1	25	1.6	11.4	POA
BS6195/4C-35MM	4C	1	35	1.6	12.8	POA
BS6195/4C-50MM	4C	1	50	1.7	14.8	POA
BS6195/4C-70MM	4C	1	70	1.8	17.2	POA
BS6195/4C-95MM	4C	1	95	2	19.7	POA
BS6195/4C-120MM	4C	1	120	2.2	21.9	POA
BS6195/4C-150MM	4C	1	150	2.3	24.1	POA
BS6195/4C-185MM	4C	1	185	2.4	26.3	POA
BS6195/4C-240MM	4C	1	240	2.4	28.3	POA
BS6195/4C-300MM	4C	1	300	2.6	33	POA
BS6195/4C-400MM	4C	1	400	2.8	37.4	POA
BS6195/4C-500MM	4C	1	500	3.2	38	POA
BS6195/4C-600MM	4C	1	630	3.3	43	POA

## BS6195 Cable Temperature De-rating Factors

Ambient Temperature °C	25	30	35	40	45	50	55	60	65
Factor	1.14	1.09	1.05	1.00	.95	.90	.84	.77	.71

## Nylon Cable Glands - IP68

Zero halogen nylon cable compression glands for use with unarmoured cable. Available in black and grey as standard but also White and Red. Working Temperature: -40°C to +100°C

REF NO	Cable Dia Range	Thread Size	Thread Length	PRICE
EPN250/M12N	3 - 6.5mm	12mm	8mm	0.29
EPN250/M16RN	2 - 7mm	16mm	8mm	0.30
EPN250/M16N	4.5 - 10mm	16mm	8mm	0.27
EPN250/M20RN	5 - 9mm	20mm	9mm	0.28
EPN250/M20N	6 - 12mm	20mm	9mm	0.22
EPN250/M20E	10 - 14mm	20mm	10.2mm	0.44
EPN250/M25RN	6 - 13mm	25mm	10mm	0.55
EPN250/M25N	9 - 17mm	25mm	10mm	0.51
EPN250/M25E	13 - 18mm	25mm	11mm	0.59
EPN250/M32RN	7 - 15mm	32mm	10mm	1.65
EPN250/M32N	11 - 25mm	32mm	10mm	1.15
EPN250/M40N	19 - 28mm	40mm	10mm	3.18
EPN250/M50N	27 - 35mm	50mm	12mm	4.93
EPN250/M63N	34 - 45mm	63mm	12mm	5.28



See pages 368-369 for our full range of **Ensto Clampo Terminal Blocks**



**KE61 - KE64**  
2.5mm<sup>2</sup> - 240mm<sup>2</sup>

The current ratings are based on a single cable in free air with a maximum conductor temperature of 105°C and an ambient temperature of 45°C

## Tri-rated Cable Temperature De-rating Factors

Ambient Temperature °C	50	55	60	65	70	75
Factor	.97	.90	.82	.75	.63	.52

## Tri-rated Cable Bunching De-rating Factors

Number of Cores	2	3	4	5	6	8	10
Factor	0.8	0.7	0.65	0.6	0.56	0.53	0.5

## Available Colours

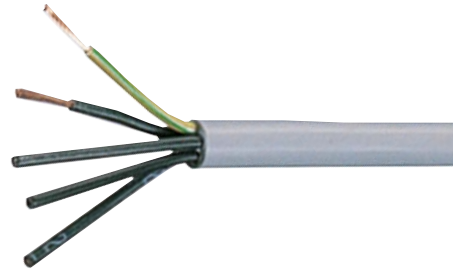


Black is available in all sizes, Green/Yellow up to 120mm, Brown, Grey, Blue up to 25mm, Red in 35mm, 50mm & 70mm

YY Cable - PVC/PVC

YY cable offers a flexible solution for signalling, measuring and control applications. The cable is made from fine bare copper wire conductors to VDE 0295 Class 5, black PVC core insulation which is numbered with white characters to aid core identification. The cores are twisted together and laid up with earth core in outer layer and a special PVC outer sheath in Grey. Oil and petrol resistant to VDE 0250 and 0472.

Nominal voltage: 300/500V  
 Temperature range: -5°C to +70°C (flexing)  
 Temperature range: -20°C to +80°C (fixed)  
 Minimum bending radius: 10 x cable diameter

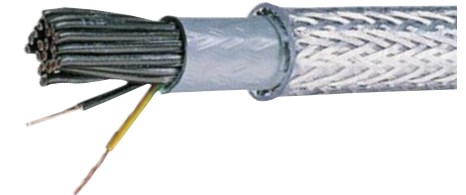


REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Copper Strands per Core	Nominal Cable Dia	Gland Size	Rating A	PRICE /100M
YY3C0.75	0.75	3	24/0.2	6.4mm	M20R	6	POA
YY4C0.75	0.75	4	24/0.2	6.9mm	M20R	6	POA
YY5C0.75	0.75	5	24/0.2	8.0mm	M20S	6	POA
YY7C0.75	0.75	7	24/0.2	8.8mm	M20S	6	POA
YY12C0.75	0.75	12	24/0.2	11.6mm	M20S	6	POA
YY18C0.75	0.75	18	24/0.2	13.4mm	M25S	6	POA
YY25C0.75	0.75	25	24/0.2	16.5mm	M25S	6	POA
YY3C1.00	1.00	3	32/0.2	7mm	M20S	10	POA
YY4C1.00	1.00	4	32/0.2	8.1mm	M20S	10	POA
YY5C1.00	1.00	5	32/0.2	8.8mm	M20S	10	POA
YY7C1.00	1.00	7	32/0.2	9.5mm	M20S	10	POA
YY12C1.00	1.00	12	32/0.2	12.8mm	M25S	10	POA
YY18C1.00	1.00	18	32/0.2	15.5mm	M25S	10	POA
YY25C1.00	1.00	25	32/0.2	19mm	M32S	10	POA
YY3C1.5	1.5	3	30/0.5	7.7mm	M20S	16	POA
YY4C1.5	1.5	4	30/0.5	8.8mm	M20S	16	POA
YY5C1.5	1.5	5	30/0.5	9.6mm	M20S	16	POA
YY7C1.5	1.5	7	30/0.5	10.8mm	M20S	16	POA
YY12C1.5	1.5	12	30/0.5	14.1mm	M25S	16	POA
YY18C1.5	1.5	18	30/0.5	17mm	M32S	16	POA
YY25C1.5	1.5	25	30/0.5	20.9mm	M32S	16	POA
YY3C2.5	2.5	3	50/0.5	10mm	M20S	25	POA
YY4C2.5	2.5	4	50/0.5	10.9mm	M20S	25	POA
YY5C2.5	2.5	5	50/0.5	11.9mm	M25S	25	POA
YY7C2.5	2.5	7	50/0.5	12.9mm	M25S	25	POA
YY12C2.5	2.5	12	50/0.5	17.5mm	M32S	25	POA

SY Cable - PVC/PVC/GSWB/PVC

SY Cables are used as measuring and control cables in tool machinery, plant installation, power stations and data equipment. The braided screen provides protection against mechanical damage. The cable is made from fine annealed copper wire conductors to VDE 0295 Class 5, black, PVC core insulation with white numeric characters to identify cores. The cores are twisted together and laid up with a green/yellow earth core in outer layer, special PVC inner jacket, tinned steel wire braiding and a special transparent PVC outer jacket. Oil and petrol resistant to VDE 0250 and 0472.

Nominal voltage: 300/500V  
 Temperature range: -5°C to +70°C (flexing)  
 Temperature range: -20°C to +80°C (fixed)  
 Minimum bending radius: 20 x cable diameter



REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Copper Strands per Core	Nominal Cable Dia	Gland Size	Rating A	PRICE /100M
SY3C0.75	0.75	3	24/0.2	9.7	M20-NP	6	POA
SY4C0.75	0.75	4	24/0.2	10.3	M20-NP	6	POA
SY5C0.75	0.75	5	24/0.2	10.9	M20-NP	6	POA
SY7C0.75	0.75	7	24/0.2	11.5	M20-NP	6	POA
SY12C0.75	0.75	12	24/0.2	14.5	M25-NP	6	POA
SY18C0.75	0.75	18	24/0.2	16.5	M25-NP	6	POA
SY25C0.75	0.75	25	24/0.2	18.5	M25-NP	6	POA
SY3C1.00	1.00	3	32/0.2	10.1	M20-NP	10	POA
SY4C1.00	1.00	4	32/0.2	10.7	M20-NP	10	POA
SY5C1.00	1.00	5	32/0.2	11.4	M20-NP	10	POA
SY7C1.00	1.00	7	32/0.2	11.8	M20-NP	10	POA
SY12C1.00	1.00	12	32/0.2	15.2	M25-NP	10	POA
SY18C1.00	1.00	18	32/0.2	16.9	M32-NP	10	POA
SY25C1.00	1.00	25	32/0.2	19.6	M32-NP	10	POA
SY3C1.5	1.5	3	30/0.5	11	M20-NP	16	POA
SY4C1.5	1.5	4	30/0.5	11.8	M20-NP	16	POA
SY5C1.5	1.5	5	30/0.5	13	M25-NP	16	POA
SY7C1.5	1.5	7	30/0.5	13.6	M25-NP	16	POA
SY12C1.5	1.5	12	30/0.5	16.8	M32-NP	16	POA
SY18C1.5	1.5	18	30/0.5	19.2	M32-NP	16	POA
SY25C1.5	1.5	25	30/0.5	23	M32-NP	16	POA
SY3C2.5	2.5	3	50/0.5	13.4	M25-NP	25	POA
SY4C2.5	2.5	4	50/0.5	14.4	M25-NP	25	POA
SY5C2.5	2.5	5	50/0.5	15.6	M32-NP	25	POA
SY7C2.5	2.5	7	50/0.5	16.7	M32-NP	25	POA
SY12C2.5	2.5	12	50/0.5	20.6	M32-NP	25	POA

Nylon Cable Glands - IP68

Zero halogen nylon cable compression glands for use with unarmoured cable. Available in black and grey as standard but also White and Red. Working Temperature: -40°C to +100°C

REF NO	Cable Dia Range	Thread Size	Thread Length	PRICE
EPN250/M20RN	5 - 9mm	20mm	9mm	0.28
EPN250/M20N	6 - 12mm	20mm	9mm	0.22
EPN250/M25RN	6 - 13mm	25mm	10mm	0.55
EPN250/M25N	9 - 17mm	25mm	10mm	0.51
EPN250/M32RN	7 - 15mm	32mm	10mm	1.65
EPN250/M32N	11 - 25mm	32mm	10mm	1.15

Brass Cable Glands - IP68

IP68 Brass nickel plated cable glands that may be used with a standard locknut or EMC locknut for shielded cable entries. EMC locknuts have cutting points which cut into the enclosure to attain greater screening. Particularly suitable for use with CY and SY cable.

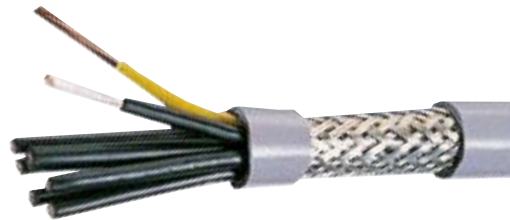
REF NO	Cable Dia Range (mm)	Thread Size (mm)	PRICE
IP68-M20-NP	6 - 12	20	1.66
IP68-M25-NP	8 - 16	25	3.18
IP68-M32-NP	15 - 22	32	5.79



Glands available in grey & black as standard

## CY Cable - PVC/TCWB/PVC

CY Cables are used as data and control cables in machinery, computer systems etc, as well as a signal cable for electronics. The dense copper screening gives a high degree of interference protection ensuring a disturbance free transmission of signals and impulses. The cable is made from fine annealed copper wire conductors to VDE 0295 Class 5, special black PVC core insulation with white numeric characters to identify cores, core twisted together and laid up with green / yellow earth core in outer layer, tinned copper braided screening with approximately 85% coverage, special grey PVC outer jacket. Oil and petrol resistant to VDE 0250 and 0472.



Nominal voltage: 300/500V  
 Temperature range: -5°C to +70°C (flexing)  
 Temperature range: -20°C to +80°C (fixed)  
 Minimum bending radius: 20 x cable diameter

REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Copper Strands per Core	Nominal Cable Dia	Gland Size	Rating A	PRICE /100M
CY3C0.75	0.75	3	24/0.2	7.0mm	M16-NP	6	POA
CY4C0.75	0.75	4	24/0.2	7.6mm	M16-NP	6	POA
CY5C0.75	0.75	5	24/0.2	8.4mm	M20-NP	6	POA
CY7C0.75	0.75	7	24/0.2	9.7mm	M20-NP	6	POA
CY12C0.75	0.75	12	24/0.2	12mm	M25-NP	6	POA
CY3C1.00	1.00	3	32/0.2	8.1mm	M20-NP	10	POA
CY4C1.00	1.00	4	32/0.2	8.7mm	M20-NP	10	POA
CY5C1.00	1.00	5	32/0.2	9.4mm	M20-NP	10	POA
CY7C1.00	1.00	7	32/0.2	10.6mm	M20-NP	10	POA
CY12C1.00	1.00	12	32/0.2	13.7mm	M25-NP	10	POA
CY3C1.5	1.5	3	30/0.5	7.7mm	M16-NP	16	POA
CY4C1.5	1.5	4	30/0.5	8.8mm	M20-NP	16	POA
CY5C1.5	1.5	5	30/0.5	9.6mm	M20-NP	16	POA
CY7C1.5	1.5	7	30/0.5	10.8mm	M20-NP	16	POA
CY12C1.5	1.5	12	30/0.5	14.1mm	M25-NP	16	POA
CY3C2.5	2.5	3	50/0.5	10mm	M20-NP	25	POA
CY4C2.5	2.5	4	50/0.5	10.9mm	M20-NP	25	POA
CY5C2.5	2.5	5	50/0.5	11.9mm	M25-NP	25	POA
CY7C2.5	2.5	7	50/0.5	12.9mm	M25-NP	25	POA
CY12C2.5	2.5	12	50/0.5	17.5mm	M32-NP	25	POA

## Brass Cable Glands - IP68

IP68 Brass nickel plated cable glands that may be used with a standard locknut or EMC locknut for shielded cable entries. EMC locknuts have cutting points which cut into the enclosure to attain greater screening. Particularly suitable for use with CY and SY cable.



REF NO	Cable Dia Range (mm)	Thread Size (mm)	PRICE
IP68-M16-NP	4 - 8	16	1.40
IP68-M20-NP	6 - 12	20	1.66
IP68-M25-NP	8 - 16	25	3.18
IP68-M32-NP	15 - 22	32	5.79

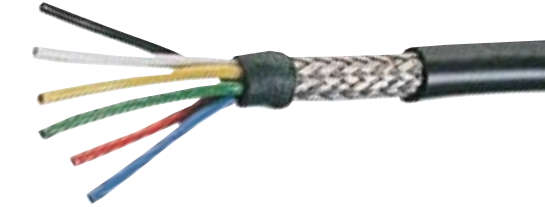
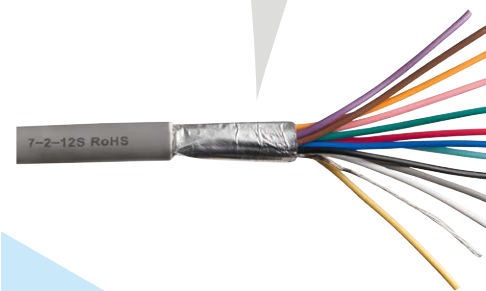
## Cable to DEF 61-12 Part 4 Type A

Multicore Def Standard Cables have been designed for connection with ground, sea and airborne instruments and electronic equipment. They meet applications in both civil and military fields for high quality, robust interconnection cables. They are not intended for power cables and must not be used for the direct connection of equipment to the main power supply. Type A is constructed from flexible tinned annealed copper with PVC insulation, PETP transparent tape and black PVC jacket.

Nominal voltage: 400V Rms  
 Temperature range: 0°C to +70°C



REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Nominal Cable Dia-mm	PRICE /100M
<b>7/0.2mm - Rated at 1A</b>				
7-2-2A	0.22	2	3.6	POA
7-2-3A	0.22	3	3.8	POA
7-2-4A	0.22	4	4.1	POA
7-2-6A	0.22	6	4.8	POA
7-2-8A	0.22	8	5.4	POA
7-2-12A	0.22	12	6.4	POA
7-2-18A	0.22	18	7.4	POA
<b>16/0.2mm - Rated at 2.5A</b>				
16-2-2A	0.5	2	5.9	POA
16-2-3A	0.5	3	6.2	POA
16-2-4A	0.5	4	6.7	POA
16-2-6A	0.5	6	7.7	POA
16-2-8A	0.5	8	8.6	POA
16-2-12A	0.5	12	9.5	POA
16-2-18A	0.5	18	11	POA



## Cable to DEF 61-12 Part 4 Type C

Type C is constructed as Type A, but also has a copper wire braid with a 70% coverage over the PETP tape.

REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Nominal Cable Dia-mm	PRICE /100M
<b>7/0.2mm - Rated at 1A</b>				
7-2-2C	0.22	2	3.8	POA
7-2-3C	0.22	3	4.0	POA
7-2-4C	0.22	4	4.3	POA
7-2-6C	0.22	6	5.6	POA
7-2-8C	0.22	8	6.2	POA
7-2-12C	0.22	12	6.9	POA
7-2-18C	0.22	18	8.4	POA
<b>16/0.2mm - Rated at 2.5A</b>				
16-2-2C	0.5	2	6.5	POA
16-2-3C	0.5	3	6.8	POA
16-2-4C	0.5	4	7.3	POA
16-2-6C	0.5	6	8.3	POA
16-2-8C	0.5	8	8.8	POA
16-2-12C	0.5	12	10.5	POA
16-2-18C	0.5	18	12	POA

## Cable to DEF 61-12 Part 4 Type S

Type S is constructed as Type A, but also has an overall Aluminium/Polyester foil screen and drain wire over the PETP tape.

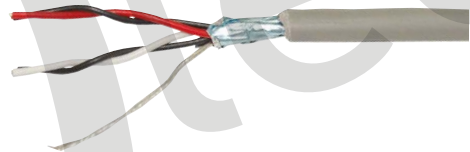
REF NO	Nominal Dia mm <sup>2</sup>	No. of Cores	Nominal Cable Dia-mm	PRICE /100M
<b>7/0.2mm - Rated at 1A</b>				
7-2-2S	0.22	2	3.7	POA
7-2-3S	0.22	3	4.0	POA
7-2-4S	0.22	4	4.1	POA
7-2-6S	0.22	6	4.8	POA
7-2-8S	0.22	8	5.7	POA
7-2-12S	0.22	12	6.2	POA
7-2-18S	0.22	18	7.9	POA
<b>16/0.2mm - Rated at 2.5A</b>				
16-2-2S	0.5	2	5.0	POA
16-2-3S	0.5	3	6.0	POA
16-2-4S	0.5	4	6.8	POA
16-2-6S	0.5	6	7.6	POA
16-2-8S	0.5	8	8.2	POA
16-2-12S	0.5	12	9.7	POA
16-2-18S	0.5	18	12.6	POA

**24AWG Paired Cable with Overall Screen**

A range of cables for use primarily for computer and instrumentation applications. The cable is constructed from stranded tinned copper wire conductors with LSF insulation. Laid up in twisted pairs with an overall foil screen providing 100% screening. The screening is in continuous contact with a tinned copper drain wire

UL Style 2464 CSA AWM T2  
Nominal Voltage: 300V  
Max. Operating Temp: 80°C

REF NO	Equivalent Belden Ref	No. of Pairs	Nominal Cable Dia	PRICE /100M
MGB9501	9501	1	3.91mm	POA
MGB9502	9502	2	5.6mm	POA
MGB9503	9503	3	5.8mm	POA
MGB9504	9504	4	6.7mm	POA
MGB9505	9505	5	7.1mm	POA
MGB9506	9506	6	7.5mm	POA
MGB9507	9507	7	7.65mm	POA
MGB9508	9508	8	8.4mm	POA
MGB9509	9509	9	8.7mm	POA
MGB9510	9510	10	9.5mm	POA
MGB9515	9515	15	10.8mm	POA
MGB9519	9519	19	11.58mm	POA
MGB9525	9525	25	13.2mm	POA

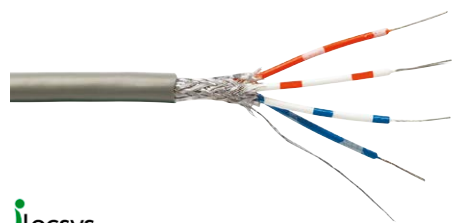


**24AWG Paired Cable with Overall Foil & Braid Screen**

These cables have an overall foil screen and a braid screen. 9841 - Single pair and 9842 - 2 pairs are suitable for RS485 applications and have high levels of screening. LSF insulated cores and jacket.

UL Style 2919  
Nominal Voltage: 300V  
Max. Operating Temp: 80°C

REF NO	Equivalent Belden Ref	Cable Size	Nominal Cable Dia	PRICE /100M
MGB9841	9841	24AWG	5.89	POA
MGB9842	9842	24AWG	8.64	POA

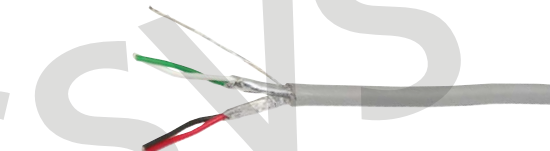


**22AWG Paired Cable with Individual Screen**

A cable constructed from stranded tinned copper conductors with LSF insulation. Each twisted pair has a foil screen providing 100% screening and a tinned copper drain wire. Pairs are laid up with an overall grey LSF jacket.

UL Style 2919  
Nominal Voltage: 300V  
Max. Operating Temp: 80°C

REF NO	Equivalent Belden Ref	No. of Pairs	Nominal Cable Dia	PRICE /100M
MGB8723	8723	2	4.2mm	POA
MGB8777	8777	3	7.6mm	POA
MGB8778	8778	6	9.6mm	POA
MGB8774	8774	9	11.3mm	POA
MGB8768	9768	12	12.4mm	POA
MGB8773	8773	27	18.5mm	POA



**Single Pair Cable with Overall Screen**

Each cable has a single twisted pair with an overall foil screen in contact with a tinned copper drain wire. Polyethylene insulated cores and jacket.

UL Style 2092  
Nominal Voltage: 300V  
Max. Operating Temp: 60°C

REF NO	Equivalent Belden Ref	Cable Size	Nominal Cable Dia	PRICE /100M
MGB8760	8760	18AWG	5.65mm	POA
MGB8761	8761	22AWG	4.45mm	POA
MGB8762	8762	20AWG	5.2mm	POA



**Single Pair Unscreened Data Cables**

Each cable has a single twisted pair with no screening. LSF insulated cores and jacket

Nominal Voltage: 300V  
Max. Operating Temp: 80°C

REF NO	Equivalent Belden Ref	Cable Size	Nominal Cable Dia	PRICE /100M
MGB8442	8442	22AWG	4.5mm	POA
MGB8205	8205	20AWG	5.2mm	POA
MGB8471	8471	16AWG	6.96mm	POA



**2182Y & 2183Y H03VV-F Cable 300/300V**

Class 5 flexible copper conductors with PVC insulation. Cores twisted together with an overall PVC sheath.

REF NO	Cable Size	Cable Dia	Rating	PRICE /100M
2182Y0-5MMBLACK	2 Core 0.5mm <sup>2</sup>	5.0mm	3A	POA
2182Y0-5MMWHITE	2 Core 0.5mm <sup>2</sup>	5.0mm	3A	POA
2182Y0-75MMBLACK	2 Core 0.75mm <sup>2</sup>	5.4mm	6A	POA
2182Y0-75MMWHITE	2 Core 0.75mm <sup>2</sup>	5.4mm	6A	POA
2183Y0-5MMBLACK	3 Core 0.5mm <sup>2</sup>	5.4mm	3A	POA
2183Y0-5MMWHITE	3 Core 0.5mm <sup>2</sup>	5.4mm	3A	POA
2183Y0-75MMBLACK	3 Core 0.75mm <sup>2</sup>	5.8mm	6A	POA
2183Y0-75MMWHITE	3 Core 0.75mm <sup>2</sup>	5.8mm	6A	POA



**3183Y H05VV-F Cable 300/500V**

REF NO	Cable Size	Cable Dia	Rating A	PRICE /100M
3183Y0-75MMBLACK	3 Core 0.75mm <sup>2</sup>	6.6mm	6A	POA
3183Y0-75MMWHITE	3 Core 0.75mm <sup>2</sup>	6.6mm	6A	POA
3183Y1-00MMBLACK	3 Core 1.00mm <sup>2</sup>	6.8mm	10A	POA
3183Y1-00MMWHITE	3 Core 1.00mm <sup>2</sup>	6.8mm	10A	POA
3183Y1-5MMBLACK	3 Core 1.5mm <sup>2</sup>	8.9mm	15A	POA
3183Y1-5MMWHITE	3 Core 1.5mm <sup>2</sup>	8.9mm	15A	POA
3183Y2-5MMBLACK	3 Core 2.5mm <sup>2</sup>	10mm	20A	POA
3183Y2-5MMWHITE	3 Core 2.5mm <sup>2</sup>	10mm	20A	POA



**3184Y H05VV-F Cable 300/500V**

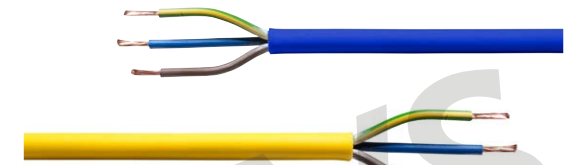
REF NO	Cable Size	Cable Dia	Rating A	PRICE /100M
3184Y0-75MMBLACK	4 Core 0.75mm <sup>2</sup>	7.1mm	6A	POA
3184Y0-75MMWHITE	4 Core 0.75mm <sup>2</sup>	7.1mm	6A	POA
3184Y1-00MMBLACK	4 Core 1.00mm <sup>2</sup>	7.6mm	10A	POA
3184Y1-00MMWHITE	4 Core 1.00mm <sup>2</sup>	7.6mm	10A	POA
3184Y1-5MMBLACK	4 Core 1.5mm <sup>2</sup>	9mm	15A	POA
3184Y1-5MMWHITE	4 Core 1.5mm <sup>2</sup>	9mm	15A	POA
3184Y2-5MMBLACK	4 Core 2.5mm <sup>2</sup>	10.9mm	20A	POA
3184Y2-5MMWHITE	4 Core 2.5mm <sup>2</sup>	10.9mm	20A	POA



**3183AG Arctic Grade Cable 300/300V**

Arctic Grade PVC flexible cable is generally manufactured to BS6500 and will remain flexible at temperatures down to -20°C making it particularly suitable for outdoor applications and for use where flexibility is required at sub-zero temperatures.

REF NO	Cable Size	Cable Dia	Rating	PRICE /100M
3183YAG1-5MMBLUE	3 Core 1.5mm <sup>2</sup>	8.1mm	15A	POA
3183YAG1-5MMYWL	3 Core 1.5mm <sup>2</sup>	8.1mm	15A	POA
3183YAG2-5MMBLUE	3 Core 2.5mm <sup>2</sup>	9.8mm	20A	POA
3183YAG2-5MMYWL	3 Core 2.5mm <sup>2</sup>	9.8mm	20A	POA



**H07RN-F BS7919 Rubber Cable 450/750V**

A rubber cable which is very flexible and withstands oils/greases, mechanical and thermal stresses. It has a temperature range of -30°C to +60°C making it suitable for cold, severe industrial environments

REF NO	Cable Size	Cable Dia	Rating A	PRICE /100M
H07-3C-1-5MMBLACK	3 Core 1.5mm <sup>2</sup>	10.3mm	15A	POA
H07-4C-1-5MMBLACK	4 Core 1.5mm <sup>2</sup>	11.8mm	15A	POA
H07-3C-2-5MMBLACK	3 Core 2.5mm <sup>2</sup>	11.2mm	20A	POA
H07-4C-2-5MMBLACK	4 Core 2.5mm <sup>2</sup>	12.9mm	20A	POA



**318\*TQ BS7919 Rubber Cable 300/500V**

318\*TQ BS6500 cable is suitable for use in kitchens, offices and particularly suited for use in hot environments and applications such as immersion heaters due to its temperature range of -20°C to +80°C. Properties also include good resistance to oil and grease.

REF NO	Cable Size	Cable Dia	Rating A	PRICE /100M
3183TQ1-5MMWHITE	3 Core 1.5mm <sup>2</sup>	10.3mm	15A	POA
3183TQ2-5MMWHITE	4 Core 2.5mm <sup>2</sup>	11.8mm	20A	POA

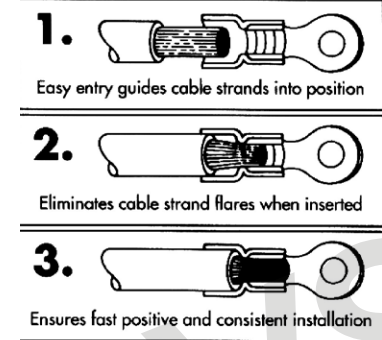


Red Terminals to fit 0.5 - 1.5mm <sup>2</sup> Cable		
REF NO	Description	PRICE /100
DVR1-3	Ring - 3.2mm hole	3.20
DVR1-3.7	Ring - 3.7mm hole	2.63
DVR1-4	Ring - 4.3mm hole	4.46
DVR1-5	Ring - 5.3mm hole	5.64
DVR1-6	Ring - 6.4mm hole	6.92
DVR1-8	Ring - 8.4mm hole	7.78
DVR1-10	Ring - 10.5mm hole	10.56
DVF1-3	Fork - 3.2mm spacing	5.72
DVF1-3N	Fork - 3.7mm spacing	5.72
DVF1-4	Fork - 4.3mm spacing	5.72
DVF1-5	Fork - 5.3mm spacing	5.72
DVF1-6	Fork - 6.4mm spacing	7.02
<b>Female Push-on</b>		
DVP01-2.8F5	To fit tab 2.8 x 0.5mm	8.36
DVP01-4.8F5	To fit tab 4.8 x 0.5mm	8.72
DVP01-6.3F	To fit tab 6.3 x 0.5mm	9.74
<b>Totally Insulated Female Push-on</b>		
DVFP01-2.8F	To fit tab 2.8 x 0.5mm	9.56
DVFP01-4.8F	To fit tab 4.8 x 0.5mm	10.24
DVFP01-6.3F	To fit tab 6.3 x 0.5mm	9.08
DVP01-6.3M	Male push on 6.3mm	6.74
DVP1-12	Pin - 12mm long	6.28
DVBC1	Butt Connector	2.78
DVPC1	Parallel Connector	7.38
DVP0A1.6.3	Piggy-back Connector	10.44
DVAB1M	Auto Bullet - Male	7.10
DVAB1F	Auto Bullet - Female	9.16
DVB1-10	Blade - 10mm long	6.40
DVB1-18	Blade - 18mm long	7.10

Blue Terminals to fit 1.75 - 2.75mm <sup>2</sup> Cable		
REF NO	Description	PRICE /100
DVR2-3	Ring - 3.2mm hole	5.54
DVR2-3.7	Ring - 3.7mm hole	6.28
DVR2-4	Ring - 4.3mm hole	6.28
DVR2-5	Ring - 5.3mm hole	6.28
DVR2-6	Ring - 6.4mm hole	8.22
DVR2-8	Ring - 8.4mm hole	8.22
DVR2-10	Ring - 10.5mm hole	10.56
DVF2-3	Fork - 3.2mm spacing	6.40
DVF2-3N	Fork - 3.7mm spacing	6.40
DVF2-4	Fork - 4.3mm spacing	6.40
DVF2-5	Fork - 5.3mm spacing	6.40
DVF2-6	Fork - 6.4mm spacing	6.40
<b>Female Push-on</b>		
DVP02-4.8F5	To fit tab 2.8 x 0.5mm	8.52
DVP02-6.3F	To fit tab 6.3 x 0.8mm	8.52
<b>Totally Insulated Female Push-on</b>		
DVFP02-6.3F	To fit tab 6.3 x 0.8mm	10.68
DVP02-6.3M	Male push on 6.3mm	7.88
DVP2-12	Pin - 12mm long	6.56
DVBC2	Butt Connector	6.96
DVPC2	Parallel Connector	7.72
DVP0A2.6.3	Piggy-back Connector	10.50
DVAB2M	Auto Bullet - Male	7.66
DVAB2F	Auto Bullet - Female	9.72
DVB2-9	Blade - 9mm long	6.40
DVB2-18	Blade - 18mm long	7.72

Yellow Terminals to fit 4.00 - 6.00mm <sup>2</sup> Cable		
REF NO	Description	PRICE /100
DVR5-3	Ring - 3.2mm hole	8.76
DVR5-3.7	Ring - 3.7mm hole	7.74
DVR5-4	Ring - 4.3mm hole	11.40
DVR5-5	Ring - 5.3mm hole	9.94
DVR5-6	Ring - 6.4mm hole	13.26
DVR5-8	Ring - 8.4mm hole	11.32
DVR5-10	Ring - 10.5mm hole	13.90
DVR5-12	Ring - 13mm hole	18.58
DVF5-3	Fork - 3.2mm spacing	10.56
DVF5-4	Fork - 4.3mm spacing	10.56
DVF5-5	Fork - 5.3mm spacing	10.56
DVF5-6	Fork - 6.4mm spacing	16.60
<b>Female Push-on</b>		
DVP05-6.3F	To fit tab 6.3 x 0.8mm	11.96
<b>Totally Insulated Female Push-on</b>		
DVFP05-6.3F	To fit tab 6.3 x 0.8mm	15.70
DVP05-6.3M	Male push on 6.3mm	11.20
DVP5-14	Pin - 14mm long	13.42
DVBC5	Butt Connector	10.00
DVP0A5.6.3	Piggy-back Connector	12.34
DVAB5M	Auto Bullet - Male	11.10
DVAB5F	Auto Bullet - Female	13.32
DVB5-10	Blade - 10mm long	12.12

# The 'ORIGINAL' EASY ENTRY TERMINALS



Crimping Tools		
REF NO	Description	PRICE
HB7	Plier type tool to crimp Red, Blue and Yellow terminals	17.20
CT15	Ratchet controlled, triple jaw crimp tool for Red, Blue and Yellow terminals. Can be calibrated.	17.95
MLL1	Ratchet controlled, triple jaw crimp tool for red, blue & yellow terminals. Cembre.	36.90



Cables & Accessories

Cables & Accessories

## Bootlace Ferrules

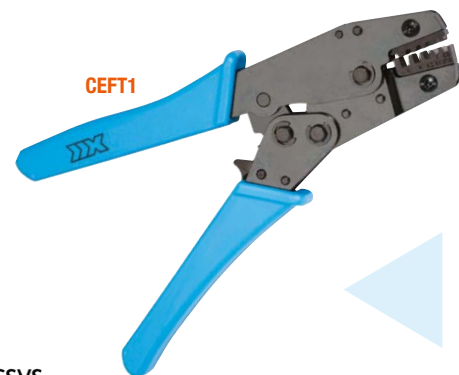
REF NO	Size (mm)	French	German	PRICE /1000
MGB0.25	0.25	Pale Blue	Violet	14.27
MGB0.34	0.34	Turquoise	Pink	15.70
MGB0.5	0.5	White	Orange	8.20
MGB0.75	0.75	Blue	White	8.20
MGB1.00	1.00	Red	Yellow	8.20
MGB1.5	1.5	Black	Red	8.20
MGB2.5	2.5	Grey	Blue	8.80
MGB4.0	4.0	Orange	Grey	20.48
MGB6.0	6.0	Green	Black	24.30

				PRICE/100
MGB10	10	Brown	Ivory	3.53
MGB16	16	Ivory	Green	7.18
MGB25	25	Black	Brown	9.60
MGB35	35	Red	Beige	11.49



## Crimping Tools

REF NO	Description	PRICE
CEFT01	Ratchet crimp tool for ferrules 0.14 - 2.5mm	24.35
CEFT1	Ratchet crimp tool for ferrules 0.5 - 6mm	24.85
CEFT2	Ratchet crimp tool for ferrules 4 - 16mm	24.93
CEFT3	Ratchet crimp tool for ferrules 16 - 35mm	26.89
TCEFT1	Ratchet crimp tool for double ferrules 0.5mm - 6mm	32.78



## DOUBLE BOOTLACE FERRULES



## Double Bootlace Ferrules

REF NO	Size (mm)	Colour	PRICE /1000
MGB0.5-DB	0.5	Orange or White	26.25
MGB0.75-DB	0.75	White, Blue or Grey	26.25
MGB1.00-DB	1.00	Yellow or Red	26.25
MGB1.5-DB	1.5	Red or Black	26.25
MGB2.5-DB	2.5	Blue or Grey	26.25
			PRICE/100
MGB4.0-DB	4	Grey	10.35
MGB6.0-DB	6	Black or Yellow	13.45
MGB10-DB	10	Red or Ivory	19.80
MGB16-DB	16	Blue	23.45



## UNINSULATED BOOTLACE FERRULES

## Uninsulated Bootlace Ferrules

REF NO	Size (mm)		PRICE /1000
MGB0.5-UNIN	0.5 x 10mm Long	Uninsulated	9.82
MGB0.75-UNIN	0.75 x 10mm Long	Uninsulated	10.30
MGB1.00-UNIN	1.00 x 10mm Long	Uninsulated	10.30
MGB1.5-UNIN	1.5 x 10mm Long	Uninsulated	10.88
MGB2.5-UNIN	2.5 x 12mm Long	Uninsulated	13.40
MGB4.0-UNIN	4 x 12mm Long	Uninsulated	18.90
			PRICE/100
MGB6.0-UNIN	6 x 15mm Long	Uninsulated	3.53
MGB10-UNIN	10 x 15mm Long	Uninsulated	4.80
MGB16-UNIN	16 x 15mm Long	Uninsulated	6.10
MGB25-UNIN	25 x 15mm Long	Uninsulated	8.60
MGB35-UNIN	35 x 18mm Long	Uninsulated	10.23

## Copper Tube Terminals

REF NO	Cable Size (mm <sup>2</sup> )	Stud Size (mm <sup>2</sup> )	Price each	PRICE /Pack
MGB6-6	6	6	0.19	13.00/100
MGB10-5	10	5	0.22	15.00/100
MGB10-6	10	6	0.22	14.70/100
MGB10-8	10	8	0.23	15.00/100
MGB10-10	10	10	0.23	15.00/100
MGB10-12	10	12	0.23	15.00/100
MGB16-5	16	5	0.28	19.00/100
MGB16-6	16	6	0.28	19.00/100
MGB16-8	16	8	0.30	20.00/100
MGB16-10	16	10	0.34	23.00/100
MGB16-12	16	12	0.34	23.00/100
MGB25-6	25	6	0.40	13.50/50
MGB25-8	25	8	0.40	13.50/50
MGB25-10	25	10	0.45	15.00/50
MGB25-12	25	12	0.45	15.00/50
MGB35-6	35	6	0.47	17.50/50
MGB35-8	35	8	0.47	17.50/50
MGB35-10	35	10	0.48	18.00/50
MGB35-12	35	12	0.48	18.00/50
MGB50-6	50	6	0.55	12.30/30
MGB50-8	50	8	0.55	12.30/30
MGB50-10	50	10	0.55	12.30/30
MGB50-12	50	12	0.56	12.60/30

## Crimping Tools for Tube Terminals

REF NO	Description	PRICE
CT1.5-16	Ratchet tool for copper tube terminals up to 16mm	24.35
CT50	Hand tool for copper tube terminals up to 50mm <sup>2</sup> - Hexagonal Crimper	72.09
CT120H	Hand tool for copper tube terminals 6 - 120mm <sup>2</sup> - Hexagonal Crimper	112.79
PHCT-400KIT	Twin stage hydraulic hand compressor to crimp connectors up to 400mm <sup>2</sup> Supplied in a sturdy case with 12 sets of dies	1010.14



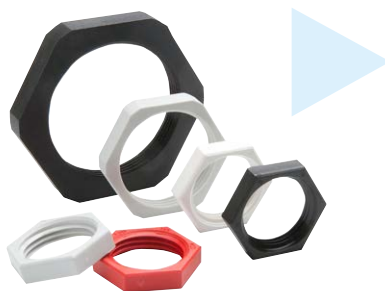
## Copper Tube Terminals

REF NO	Cable Size (mm <sup>2</sup> )	Stud Size (mm <sup>2</sup> )	Price each	PRICE /Pack
MGB70-6	70	6	1.04	23.40/30
MGB70-8	70	8	1.04	23.40/30
MGB70-10	70	10	1.19	26.70/30
MGB70-12	70	12	1.19	26.70/30
MGB70-14	70	14	1.19	26.70/30
MGB70-16	70	16	1.19	26.70/30
MGB95-8	95	8	1.32	19.82/20
MGB95-10	95	10	1.32	19.82/20
MGB95-12	95	12	1.32	19.82/20
MGB95-14	95	14	1.32	19.82/20
MGB95-16	95	16	1.32	99.10/20
MGB120-8	120	8	2.07	31.00/20
MGB120-10	120	10	2.07	31.00/20
MGB120-12	120	12	2.07	31.00/20
MGB120-14	120	14	2.07	31.00/20
MGB120-16	120	16	2.07	31.00/20
MGB120-20	120	20	2.20	33.00/20
MGB150-8	150	8	3.05	22.90/10
MGB150-10	150	10	3.05	22.90/10
MGB150-12	150	12	3.05	22.90/10
MGB150-14	150	14	3.05	22.90/10
MGB150-16	150	16	3.05	22.90/10
MGB150-20	150	20	3.16	23.71/10
MGB185-10	185	10	3.23	24.30/10
MGB185-12	185	12	3.23	24.30/10
MGB185-14	185	14	3.23	24.30/10
MGB185-16	185	16	3.23	24.30/10
MGB185-20	185	20	3.36	25.20/10
MGB240-10	240	10	3.36	35.80/10
MGB240-12	240	12	4.78	35.80/10
MGB240-14	240	14	4.78	35.80/10
MGB240-16	240	16	4.78	35.80/10
MGB240-20	240	20	4.92	36.90/10

**Nylon Cable Glands - IP68**

Zero halogen nylon cable compression glands for use with unarmoured cable. Available in black and grey as standard but also White and Red. Working Temperature: -40°C to +100°C

REF NO	Cable Dia Range	Thread Size	Thread Length	PRICE
EPN250/M12N	3 - 6.5mm	12mm	8mm	0.29
EPN250/M16RN	2 - 7mm	16mm	8mm	0.30
EPN250/M16N	4.5 - 10mm	16mm	8mm	0.27
EPN250/M20RN	5 - 9mm	20mm	9mm	0.28
EPN250/M20N	6 - 12mm	20mm	9mm	0.22
EPN250/M20E	10 - 14mm	20mm	10.2mm	0.44
EPN250/M25RN	6 - 13mm	25mm	10mm	0.55
EPN250/M25N	9 - 17mm	25mm	10mm	0.51
EPN250/M25E	13 - 18mm	25mm	11mm	0.59
EPN250/M32RN	7 - 15mm	32mm	10mm	1.65
EPN250/M32N	11 - 25mm	32mm	10mm	1.15
EPN250/M40N	19 - 28mm	40mm	10mm	3.18
EPN250/M50N	27 - 35mm	50mm	12mm	4.93
EPN250/M63N	34 - 45mm	63mm	12mm	5.28



**Hexagonal Locknuts - Flangeless**

REF NO	Description	PRICE
EPN355/M12	12mm Flangeless Locknut	0.07
EPN355/M16	16mm Flangeless Locknut	0.08
EPN355/M20	20mm Flangeless Locknut	0.06
EPN355/M25	25mm Flangeless Locknut	0.20
EPN355/M32	32mm Flangeless Locknut	0.30
EPN355/M40	40mm Flangeless Locknut	0.80
EPN355/M50	50mm Flangeless Locknut	0.93
EPN355/M63	63mm Flangeless Locknut	1.23



Glands with extended threads are also available



**Hexagonal Locknuts with Flange**

REF NO	Description	PRICE
EPN350/M16	16mm Locknut with Flange	0.10
EPN350/M20	20mm Locknut with Flange	0.10
EPN350/M25	25mm Locknut with Flange	0.20



**Blanking Plugs**

REF NO	Description	PRICE
EPN450/M16x1.5	M16 Polystyrene Blanking Plug - RAL7035	0.12
EPN450/M20x1.5	M20 Polystyrene Blanking Plug- RAL7035	0.16
EPN450/M25x1.5	M25 Polystyrene Blanking Plug- RAL7035	0.20
EPN450/M32x1.5	M32 Polystyrene Blanking Plug- RAL7035	0.34
EPN450/M40x1.5	M40 Polystyrene Blanking Plug- RAL7035	0.54
EPN450/M50x1.5	M50 Polystyrene Blanking Plug- RAL7035	0.96
EVSG16/10061831	M16 Polyamide Blanking Plug - Black	0.14
EVSG20/10061832	M20 Polyamide Blanking Plug - Black	0.16
EVSG25/10061833	M25 Polyamide Blanking Plug - Black	0.20
EVSG32/10061834	M32 Polyamide Blanking Plug - Black	0.34
EVSG40/10061835	M40 Polyamide Blanking Plug - Black	0.54
EVSG50/10061836	M50 Polyamide Blanking Plug - Black	0.70

**'O' Ring Seals**

Improves Ingress Protection when used with nylon cable glands

Ref No	Description	PRICE/100
M16RING	16mm 'O' Ring Seal	3.50
M20RING	20mm 'O' Ring Seal	4.50
M25RING	25mm 'O' Ring Seal	9.00
M32RING	32mm 'O' Ring Seal	17.50

**BW/CW Glands**

Kit comprises of 2 Glands, Locknuts, Earth Tags & Shrouds

REF NO	Description	PRICE
BW20s	For Indoor Use	1.98/2Pk
BW20		2.33/2Pk
BW25		4.58/2Pk
BW32		6.75/2Pk
BW40		8.44/1Pk



REF NO	Description	PRICE
CW20s	For Outdoor Use	4.30/2Pk
CW20		5.78/2Pk
CW25		10.33/2Pk
CW32		16.43/2Pk
CW40		16.43/1Pk



**BW/CW Glands**

Cable Size	SWA Cable No. of Cores	BW Glands	CW Glands
1.5mm	2, 3, 4, 5	20s	20s
	7	20	20
	12, 19	25	25
	27, 36	32	32
2.5mm	48	40	40
	2, 3, 4	20s	20s
	5, 7	20	20
	12, 19	25	25
4mm	27	32	32
	36, 48	40	40
	2, 3	20s	20s
	4	20	20
6mm	7, 12	25	25
	19	32	32
	27	40	40
10mm	2	20s	20
	3, 4	20	20
16mm	2, 3, 4	25	25
	2, 3	25	25
25mm	4	32	32
	2	25	25
35mm	3, 4	32	32
	2, 3	32	32
50mm	4	40	40



**Brass Cable Glands - IP68**

IP68 Brass nickel plated cable glands that may be used with a standard locknut or EMC locknut for shielded cable entries. EMC locknuts have cutting points which cut into the enclosure to attain greater screening. Particularly suitable for use with CY and SY cable.

REF NO	Cable Dia Range (mm)	Thread Size (mm)	PRICE
IP68-M12-NP	3 - 6.5	12	0.94
IP68-M16-NP	4 - 8	16	1.40
IP68-M20-NP	6 - 12	20	1.66
IP68-M25-NP	8 - 16	25	3.18
IP68-M32-NP	15 - 22	32	5.79



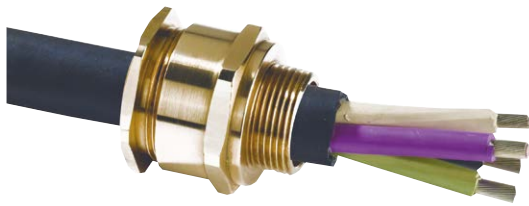
**Standard Brass Locknuts**

REF NO	Thread Dia (mm)	PRICE
LBM12	12	0.20
LBM16	16	0.22
LBM20	20	0.26
LBM25	25	0.40
LBM32	32	0.72



**EMC Brass Locknuts**

REF NO	Thread Dia (mm)	PRICE
LBM16/EMC	16	0.78
LBM20/EMC	20	1.04
LBM25/EMC	25	1.16
LBM32/EMC	32	1.82



**ATEX Certified Brass Cable Glands for Non Armoured Cable - A2F**

CMP Type AF2 is certified for use in Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') applications. It is an indoor and outdoor gland suitable for use in Zones 1, 2, 21 and 22 with unarmoured and braided cable. It provides a combined flameproof seal and environmental seal on the cable outer sheath.

Certification Number SIRA13ATEX1068X  
IECEx Approval Number IECEx SIR 13.0023X

Ingress Protection IP66 IP67 IP68

Code of Protection Category ATEX II 2/3 GD Ex d IIC, Ex nR II, Ex tD A21 IP66

Equipment Zone 1, Zone 2, Zone 21 and Zone 22 Gas Groups IIA, IIB, IIC, ATEX IM2, Ex d I, Ex e I

Continuous Operating Temperature -60°C to +130°C

REF NO	Thread Size	Cable Dia. Range	Across Corners	PRICE
20S16A2F1RA	M20	3.2 - 8.7mm	26.6mm	1.77
20SA2F1RA	M20	6.1-11.7mm	26.6mm	1.83
20A2F1RA	M20	6.5-14mm	31mm	1.95
25A2F1RA	M25	11.1-20mm	39mm	3.48
32A2F1RA	M32	17-26.3mm	45mm	5.86
40A2F1RA	M40	23.5-32.2mm	53.5mm	9.56
50SA2F1RA	M50	31-38.2mm	61mm	15.60
50A2F1RA	M50	35.6-44.1mm	66mm	16.15
63SA2F1RA	M63	41.5-50mm	77.5mm	26.78
63A2F1RA	M63	47.2-56mm	84mm	34.43
75SA2F1RA	M75	54-62mm	87mm	35.94
75A2F1RA	M75	61.1-68mm	94mm	51.13

**ATEX Certified Brass Cable Glands for Armoured Cable - E1FW**

CMP Type E1FU is certified for use in Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') applications. It is an indoor and outdoor gland suitable for use in Zones 1, 2, 21 and 22 with SWA cable. It provides a combined flameproof seal and environmental seal on the cable outer sheath. The cable gland allows mechanical cable retention and earth continuity via the cable armour termination.

Certification Number SIRA13ATEX1071X  
IECEx Approval Number IECEx SIR 13.0026X

Ingress Protection IP66 IP67 IP68

Code of Protection Category ATEX II 2/3 GD Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66

Equipment Zone 1, Zone 2, Zone 21 and Zone 22 Gas Groups IIA, IIB, IIC, ATEX IM2, Ex d I, Ex e I

Continuous Operating Temperature -60°C to +130°C

REF NO	Thread Size	Cable Dia. Range	Across Corners	PRICE
20S16E1FU1RA	M20	3.1 - 8.7mm	26.6mm	3.70
20SE1FU1RA	M20	6.1-11.7mm	26.6mm	3.70
20E1FU1RA	M20	6.5-14mm	33.3mm	4.02
25E1FU1RA	M25	11.1-20mm	40.5mm	6.00
32E1FU1RA	M32	17-26.3mm	51mm	10.27
40E1FU1RA	M40	23.5-32.2mm	61mm	18.37
50SE1FU1RA	M50	31-38.2mm	66.5mm	30.90
50E1FU1RA	M50	35.6-44.1mm	78.6mm	30.90
63SE1FU1RA	M63	41.5-50mm	83.2mm	51.48
63E1FU1RA	M63	47.2-56mm	89mm	51.48
75SE1FU1RA	M75	54-62mm	101.6mm	85.75
75E1FU1RA	M75	61.1-68mm	111.1mm	107.69



**ATEX Certified Nylon Cable Glands**

These nylon cable glands are designed with an outer seal and cable grip for use with unarmoured cable. They are manufactured from Polyamide, are self extinguishing and flame retardant.

Certification Number IECEx PTB13.034X

Protection Ex e IIC GB; Ex tb 111C Db

Suitable for indoor/outdoor use in Zone 1 and Zone 2 areas, they are available in black, or Intrinsically Safe blue.

REF NO	Description	Cable Dia. Range	PRICE /ea
<b>Black Glands</b>			
ESKE/10103364	M16 Gland - Exe II	4.5 - 9mm	1.16
ESKE/10103365	M20 Gland - Exe II	7 - 13mm	1.20
ESKE/10103366	M25 Gland - Exe II	10 - 17mm	1.62
ESKE/10103367	M32 Gland - Exe II	13 - 21mm	2.38
<b>Blue Top Glands</b>			
ESKE/10103372	M16 Gland Exe II	4.5 - 9mm	1.16
ESKE/10103373	M20 Gland Exe II	7 - 13mm	1.20
ESKE/10103374	M25 Gland Exe II	10 - 17mm	1.62
ESKE/10103375	M32 Gland Exe II	13 - 21mm	2.38



**ATEX Certified Breather - Drain Plugs**

Drain plugs effectively drain any moisture build-up present within the enclosure whilst permitting air in the enclosure to breathe with the surrounding atmosphere, minimising moisture build up within the enclosure. The drain plug should be fitted at the lowest point in the enclosure.

The plugs are supplied with a castellated locknut and tightening is achieved with an Allen Key.

Suitable for indoor/outdoor use in Zone 1 and Zone 2 areas, they are available in Black Glass Filled Nylon 66, Stainless Steel or Brass

REF NO	Description	PRICE
CVM1200	M20 Nylon Breather Plug - Exe II	10.86
CVM1300	M25 Nylon Breather Plug - Exe II	11.76
CVE1200	M20 Stainless Steel Breather Plug - Exe II	POA
CVE1300	M25 Stainless Steel Breather Plug - Exe II	POA
CVA1200	M20 Nickel Plated Brass Breather Plug - Exe II	POA
CVA1300	M25 Nickel Plated Brass Breather Plug - Exe II	POA



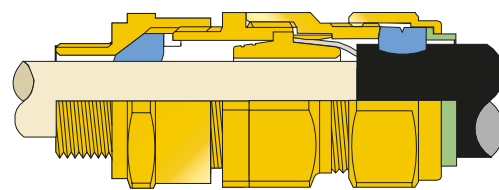
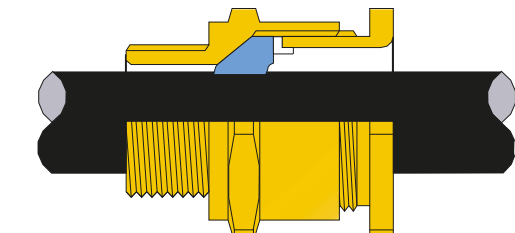
**ATEX Certified Stopping plugs**

Stopping plugs are designed to close any unused entries in electrical enclosures

Ingress Protection IP66 without sealing ring  
IP68 with sealing ring

Suitable for indoor/outdoor use in Zone 1 and Zone 2 areas, they are available in Black 30% Glass Filled Nylon 66 or Stainless Steel

REF NO	Description	PRICE
CRM1100	M16 Nylon Stopping Plug - Exe II	3.16
CRM1200	M20 Nylon Stopping Plug - Exe II	1.14
CRM1300	M25 Nylon Stopping Plug - Exe II	1.72
CRM1400	M32 Nylon Stopping Plug - Exe II	4.18
CRE1100	M16 Stainless Steel Stopping Plug - Exe II	POA
CRE1200	M20 Stainless Steel Stopping Plug - Exe II	POA
CRE1300	M25 Stainless Steel Stopping Plug - Exe II	POA
CRE1400	M32 Stainless Steel Stopping Plug - Exe II	POA



Available in brass as standard, but also in nickel plated brass, aluminium and stainless steel

## Helagrip Cable Markers

A range of PVC markers which are chevron cut for interlocking with other markers. This style of marker ensures that it grips the cable but also gives the flexibility that each size of marker may be used for a range of cable diameters. Supplied on reels.

REF NO	Description	PRICE
HG1-3	Colour Coded or Black on White Suitable for cable 0.5mm <sup>2</sup> to 1.0mm <sup>2</sup>	15.91 /1000
HG2-5	Colour Coded or Black on White Suitable for cable 1.0mm <sup>2</sup> to 4.0mm <sup>2</sup>	15.91 /1000
HG4-9	Colour Coded or Black on White Suitable for cable 6.0mm <sup>2</sup> to 16mm <sup>2</sup>	6.18 /250



## Ovalgrip Cable Markers

Ovalgrip cable markers are oval in cross-section and fitted by pressing to a circular cross-section, sliding over the cable end and releasing. Numeric characters are supplied on reels of 1000, alphabetic characters and symbols in bags of 100. These markers are recommended as route markers with Arrowtags

REF NO	Description	PRICE
H085	Ovalgrip marker suitable for use with AT2 and AT3 Arrowtags. 1000 Markers on a reel	15.58
MH085/100	As above H085 but black characters on white in bags of 100	5.17



## Arrowtags

Arrowtags, together with Ovalgrip markers, provide a fast and easy method of identifying cables and cable runs. The slots will accept cable ties up to 6mm wide

REF NO	Description	PRICE
AT2	For use with H085 cable markers with capacity for 8 markers. 100Pk	7.61
AT3	For use with H085 cable markers with capacity for 14 marker. 100Pk	8.19



## Cable Needles

Cable needles allow cable markers to be fitted to cables with ease. The hollow needle is slipped over the end of the cable while the tapered end picks up the marker. The marker then slides along the needle onto the cable. The use of Hellerine Lubricant is recommended.

REF NO	Dimensions		PRICE
	Inner	Outer	
TJC1-3	3.4mm	4.2mm	14.18
TJC2-5	4.6mm	5.8mm	16.80
TJC4-9	10.3mm	12.0mm	25.73



A closed secure marker for unconnected wires and cables designed for electrical, hydraulic and pneumatic applications. Chevron cut to enable interlocking and alignment of characters.

The range covers cable sizes up to 70mm<sup>2</sup>



## PA02/1 for 0.5mm<sup>2</sup> - 0.75mm<sup>2</sup> Cable

REF NO	Description	PRICE
PA02	For cable 0.5mm <sup>2</sup> to 0.75mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 1000 markers on reel	11.55
PA02(200)	For cable 0.5mm <sup>2</sup> to 0.75mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 200 Loose	2.31



## PA01/3 for 0.75mm<sup>2</sup> - 4mm<sup>2</sup> Cable

REF NO	Description	PRICE
PA1/3	For cable 0.75mm <sup>2</sup> to 4mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 1000 markers on reel	11.55
PA1/3(200)	For cable 0.75mm <sup>2</sup> to 4mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 200 Loose	2.31



## PA2/4 for 2.5mm<sup>2</sup> - 16mm<sup>2</sup> Cable

REF NO	Description	PRICE
PA2/4(250)	For cable 2.5mm <sup>2</sup> to 16mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 250 markers on reel	3.75



## PA03/6 for 16mm<sup>2</sup> - 70mm<sup>2</sup> Cable

REF NO	Description	PRICE
PA3/6(20)	For cable 16mm <sup>2</sup> to 70mm <sup>2</sup> Available in Colour Coded Numbers or Black on White Numbers and Letters Total: 20 Loose	0.82



## Easi-Grip Markers

Easi-Grip markers come in 5 sizes covering cables 0.5mm<sup>2</sup> to 35mm<sup>2</sup>. They are made from soft PVC with a temperature range of -30C to +70C. Available as colour coded or black on white or black on pink letters.

REF NO	Description	PRICE
Size-AA	For use with cables up to 0.5mm <sup>2</sup> and up to 0.75mm <sup>2</sup> with cable applicator. Roll of 1000	11.19
Size-A	For use with cable up to 0.75mm <sup>2</sup> and up to 4mm <sup>2</sup> with cable applicator. Roll of 1000	11.19
Size-B	For use with cable up to 0.5mm <sup>2</sup> to 1.5mm <sup>2</sup> and up to 6mm <sup>2</sup> with cable applicator. Roll of 1000	11.19
Size-C	For use with cable up to 1.5mm <sup>2</sup> to 4mm <sup>2</sup> and up to 10mm <sup>2</sup> with cable applicator. Roll of 500	6.31
Size-D	For use with cable up to 10mm <sup>2</sup> to 16mm <sup>2</sup> and up to 35mm <sup>2</sup> with cable applicator. Roll of 500	8.80



## Legrand CAB 3 Marking System

Ideal for either pre or post termination marking. The CAB 3 cable marker has a unique gripping profile which ensures the marker remains in place even under the most arduous conditions. It comes in three sizes which cover a cable range of 0.5mm<sup>2</sup> to 6mm<sup>2</sup>.

Made from Nylon 66 and meets UL94 VO  
Letters - Black on Yellow, Numbers - Colour Coded  
Temperature Range of -40°C to +85°C. Intermittent 105°C

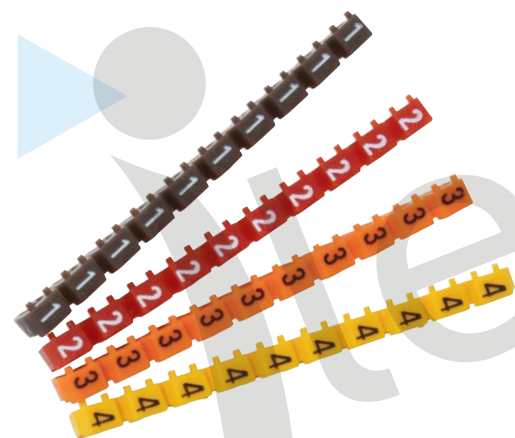


REF NO	Description	PRICE
<b>Markers for 0.5 - 1.5mm<sup>2</sup> Cable</b>		<b>1200/Pk</b>
38210	Black Marker '0' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38211	Brown Marker '1' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38212	Red Marker '2' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38213	Orange Marker '3' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38214	Yellow Marker '4' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38215	Green Marker '5' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38216	Blue Marker '6' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38217	Violet Marker '7' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38218	Grey Marker '8' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
38219	White Marker '9' for 0.5 - 1.5mm <sup>2</sup> Cable	36.00
		<b>300/Pk</b>
383**	Black on Yellow Marker for 0.5 - 1.5mm <sup>2</sup> Cable. See chart for full part number	15.00



## Legrand CAB 3 Marking System

REF NO	Description	PRICE
<b>Markers for 1.5 - 2.5mm<sup>2</sup> Cable</b>		<b>1200/Pk</b>
38220	Black Marker '0' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38221	Brown Marker '1' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38222	Red Marker '2' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38223	Orange Marker '3' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38224	Yellow Marker '4' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38225	Green Marker '5' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38226	Blue Marker '6' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38227	Violet Marker '7' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38228	Grey Marker '8' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
38229	White Marker '9' for 1.5 - 2.5mm <sup>2</sup> Cable	36.00
		<b>300/Pk</b>
383**	Black on Yellow Marker for 1.5 - 2.5mm <sup>2</sup> Cable. See chart below for full part number	15.00



## Legrand CAB 3 Marking System

REF NO	Description	PRICE
<b>Markers for 4 - 6mm<sup>2</sup> Cable</b>		<b>800/Pk</b>
38230	Black Marker '0' for 4 - 6mm <sup>2</sup> Cable	32.00
38231	Brown Marker '1' for 4 - 6mm <sup>2</sup> Cable	32.00
38232	Red Marker '2' for 4 - 6mm <sup>2</sup> Cable	32.00
38233	Orange Marker '3' for 4 - 6mm <sup>2</sup> Cable	32.00
38234	Yellow Marker '4' for 4 - 6mm <sup>2</sup> Cable	32.00
38235	Green Marker '5' for 4 - 6mm <sup>2</sup> Cable	32.00
38236	Blue Marker '6' for 4 - 6mm <sup>2</sup> Cable	32.00
38237	Violet Marker '7' for 4 - 6mm <sup>2</sup> Cable	32.00
38238	Grey Marker '8' for 4 - 6mm <sup>2</sup> Cable	32.00
38239	White Marker '9' for 4 - 6mm <sup>2</sup> Cable	32.00
		<b>300/Pk</b>
383**	Black on Yellow Marker for 4 - 6mm <sup>2</sup> Cable. See chart below for full part number	18.00

## Part Number Table for Letters & Symbols

Letter/Symbol	For Cable 0.5 - 1.5mm <sup>2</sup>	For Cable 1.5 - 2.5mm <sup>2</sup>	For Cable 4 - 6mm <sup>2</sup>
Letter 'A'	38300	38330	38360
Letter 'B'	38301	38331	38361
Letter 'C'	38302	38332	38362
Letter 'D'	38303	38333	38363
Letter 'E'	38304	38334	38364
Letter 'F'	38305	38335	38365
Letter 'G'	38306	38336	38366
Letter 'H'	38307	38337	38367
Letter 'I'	38308	38338	38368
Letter 'J'	38309	38339	38369
Letter 'K'	38310	38340	38370
Letter 'L'	38311	38341	38371
Letter 'M'	38312	38342	38372
Letter 'N'	38313	38343	38373
Letter 'O'	38314	38344	38374
Letter 'P'	38315	38345	38375
Letter 'Q'	38316	38346	38376
Letter 'R'	38317	38347	38377
Letter 'S'	38318	38348	38378
Letter 'T'	38319	38349	38379
Letter 'U'	38320	38350	38380
Letter 'V'	38321	38351	38381
Letter 'W'	38322	38352	38382
Letter 'X'	38323	38353	38383
Letter 'Y'	38324	38354	38384
Letter 'Z'	38325	38355	38385
Symbol '!'	38270	38280	38290
Symbol '.'	38271	38281	38291
Symbol '+'	38272	38282	38292
Symbol '-'	38273	38283	38293
Symbol '='	38274	38284	38294
Symbol '≡'	38275	38285	38295
Symbol '↓'	38276	38286	38296

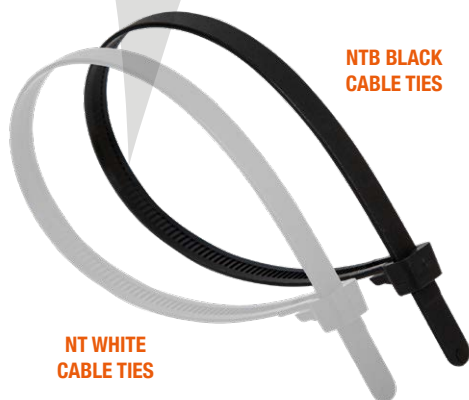


**Cable Ties**

Standard cable ties manufactured in Nylon and available in either black or natural.

Working Temperature -40°C to +85°C

REF NO	Description	PRICE/100
NT20M	100 x 2.5mm Natural	0.76
NT30I	140 x 3.6mm Natural	2.28
NT36M	160 x 2.5mm Natural	2.36
NT36S	160 x 4.8mm Natural	3.72
NT50M	200 x 2.5mm Natural	2.72
NT50I	200 x 3.6mm Natural	4.04
NT50S	200 x 4.8mm Natural	3.24
NT75I	300 x 3.6mm Natural	4.84
NT75S	300 x 4.8mm Natural	4.84
NT100S	370 x 4.8mm Natural	6.36
NT105LH	370 x 7.6mm Natural	11.52
NT115LH	430 x 9.0mm Natural	31.32
NTB20M	100 x 2.5mm Black	0.76
NTB30I	140 x 3.6mm Black	2.28
NTB36M	160 x 2.5mm Black	2.36
NTB36S	160 x 4.8mm Black	3.72
NTB50M	200 x 2.5mm Black	2.72
NTB50I	200 x 3.6mm Black	4.04
NTB50S	200 x 4.8mm Black	3.24
NTB75I	300 x 3.6mm Black	4.84
NTB75S	300 x 4.8mm Black	4.84
NTB100S	370 x 4.8mm Black	6.36
NTB105LH	370 x 7.6mm Black	11.52
NTB115LH	430 x 9.0mm Black	31.32



**Cable Tie Bases**

Adhesive backed cable tie bases available in Black or Natural and in two sizes. The smaller size will accommodate a maximum tie width of 3.6mm while the larger accommodates a maximum tie width of 4.8mm. The larger base may also be screw mounted.

REF NO	Description	PRICE/100
KCTMSA20NAT	20 x 20mm Natural	4.35
KCTMSA28NAT	28 x 28mm Natural	7.28
KCTMSA20BLACK	20 x 20mm Black	4.38
KCTMSA28BLACK	28 x 28mm Black	7.28



**Cable Tie Cradles**

Cradles are screw fixing and accommodate a maximum cable tie width of 9mm.

REF NO	Description	PRICE/100
CSFM2	Cradle - Natural	16.03
CSFM2B	Cradle - Black	16.03



**Cable Tie Tensioning Tool**

REF NO	Description	PRICE
TT1	Tool to correctly tension ties up to 4.8mm wide then cutting off excess	20.28



**Helsyn Sleeving**

Helsyn binding sleeves are made from extruded neoprene material of high elasticity. They may be used for a variety of applications covering cable joints, solder joints etc. Their elasticity ensures they remain firmly in place.

Available in Black, Red, Yellow, Blue, Brown, Grey, Orange, Green, Pink, Violet.

Working Temperature -65°C to +95°C

REF NO	Internal Diameter	Max. Cable Dia	Length	Pack Qty	PRICE
CH12x20	1.2mm	2.4mm	20	1000	17.03
CH15x20	1.5mm	3.0mm	20	1000	17.03
CH20x20	2.0mm	4.0mm	20	1000	19.02
CH30x25	3.0mm	6.0mm	25	1000	24.18
CH50x25	5.0mm	10mm	25	100	3.13
CH75x25	7.5mm	15mm	25	100	5.17
CH100x25	10mm	20mm	25	100	10.64
CH150x25	15mm	30mm	25	100	14.16
CH200x25	20mm	40mm	25	100	17.04



**Helsyn Sleeve Application Tool**

REF NO	Description	PRICE
D Kit	An application tool with 3 sets of prongs to apply up to H110 size sleeves. Supplied with 1 small bottle of Hellerine Lubricant	51.13
SS Tool	Application tool to apply up to H20 sleeves	35.31
S Tool	Application tool to apply up to H30 sleeves	35.31
K Tool	Application tool to apply H50 & H100 sleeves	34.83
NA 8/10	Application tool to apply H150 & H200 sleeves	83.63
HELLERINE	Bottle of Hellerine Lubricant (0.25 Litre)	POA

**General Purpose Sleeving - 100M Coils**

General purpose sleeving to BS2848 Type 3 Class 85T. Working Temperature: -40°C to +85°C Supplied in 100M Coils

REF NO	Internal Diameter	Colour	PRICE /100M
PVC15GN-YW	1.5mm	Green / Yellow	4.26
PVC20GN-YW	2mm	Green / Yellow	4.44
PVC30GN-YW	3mm	Green / Yellow	5.94
PVC40GN-YW	4mm	Green / Yellow	7.34
PVC20-BE	2mm	Blue	4.44
PVC20-BK	2mm	Black	4.44
PVC20-GREY	2mm	Grey	4.44
PVC20-BN	2mm	Brown	4.44
PVC30-BE	3mm	Blue	6.23
PVC30-BK	3mm	Black	6.23
PVC30-GREY	3mm	Grey	6.23
PVC30-BN	3mm	Brown	6.23
PVC40-BE	4mm	Blue	7.71
PVC40-BK	4mm	Black	7.71
PVC40-GREY	4mm	Grey	7.71
PVC40-BN	4mm	Brown	7.71

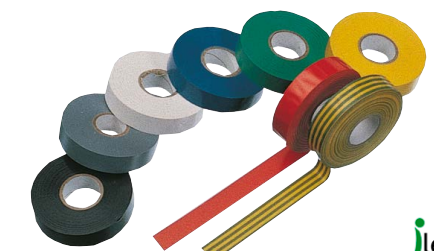


**PVC Electrical Tape**

Self adhesive PVC electrical tape measuring 19mm wide x 33 metres long. Flame retardant and self extinguishing.

Available in Black, Red, Yellow, Blue, Brown, White, Green, Grey, Green/Yellow

REF NO	Description	PRICE
IT2	19mm x 33M PVC Electrical Tape	1.08



**Braided Sleeving**

Braided sleeving made from polyester filaments, offering a tough abrasion resistant covering for single or multi-cable installations. The product is self-extinguishing to UL94 V2 and is halogen free. The initial diameter of the sleeve will expand by 100%. A working temperature of -50°C to +150°C covers most applications.

REF NO	Description	PRICE/Roll
PB5-BLACK	5mm Black Sleeving - 100m roll	28.57
PB10-BLACK	10mm Black Sleeving - 100m roll	40.00
PB20-BLACK	20mm Black Sleeving - 50m roll	42.86
PB30-BLACK	30mm Black Sleeving - 25m roll	35.83
PB40-BLACK	40mm Black Sleeving - 25m roll	42.74
PB50-BLACK	50mm Black Sleeving - 25m roll	52.86
PG5-GREY	5mm Grey Sleeving - 100m roll	28.57
PG10-GREY	10mm Grey Sleeving - 100m roll	40.00
PG20-GREY	20mm Grey Sleeving - 50m roll	42.86
PG30-GREY	30mm Grey Sleeving - 25m roll	35.83
PG40-GREY	40mm Grey Sleeving - 25m roll	42.74
PG50-GREY	50mm Grey Sleeving - 25m roll	52.86



**12 Way Connector Strip**

12 way connector strips in natural polyethylene. Maximum working temperature of 80°C (95°C over a short period)

REF NO	Description	PRICE/ea
LSC3	12 Way Connector Strip - 3A	0.34
LSC5	12 Way Connector Strip - 5A	0.38
LSC15	12 Way Connector Strip - 15A	0.66
LSC30	12 Way Connector Strip - 30A	0.96



**Black PVC Grommets**

REF NO	Description	PRICE/100
16mm-Blind	16mm blind grommets	5.50
16mm-Open	16mm open grommets	3.60
20mm-Blind	20mm blind grommets	4.40
20mm-Open	20mm open grommets	2.00
25mm-Blind	25mm blind grommets	5.40
25mm-Open	25mm open grommets	3.88
32mm-Blind	32mm blind grommets	14.00
32mm-Open	32mm open grommets	10.60
38mm-Blind	38mm blind grommets	22.00
38mm-Open	38mm open grommets	20.00
50mm-Blind	50mm blind grommets	46.00
50mm-Open	50mm open grommets	44.40



**'P' Clips - Black Nylon**

Designed for fixing cables, pipes and components in domestic appliances, instruments, computers, electronic and electrical equipment. For interior or exterior use, they are available in eleven sizes ranging from 3.2mm diameter to 35mm diameter.

REF NO	Diameter	Colour	PRICE/100
H1P	3.2	Black or Natural	6.35
H2P	5	Black or Natural	6.44
H3P	6.5	Black or Natural	8.71
H4P	8	Black or Natural	10.50
H5P	9.5	Black or Natural	9.98
H6P	11	Black or Natural	12.07
H7P	12.5	Black or Natural	14.74
H8P	14	Black or Natural	16.60
H9P	16	Natural	19.26
H10P	17.5	Natural	15.54
H11P	19	Natural	16.65
H12P	20.5	Natural	17.75
H13P	22	Natural	18.16
H14P	24	Natural	18.88
H15P	25.5	Natural	19.26
H16P	28.5	Natural	19.98
H17P	31.5	Natural	20.10
H18P	35	Natural	21.07



**Heatshrink Tubing**

A commercial grade flame-retardant UL and CSA approved polyolefin with an operating temperature of -55°C to +125°C. Heat shrink ratio of 2:1. Available in Black, Red, Blue, Yellow, Grey, Brown, White, Green / Yellow and Clear.

REF NO	Description	PRICE
HTB2.4	2.4mm Heatshrink - 15 metres	10.82
HTB3.2	3.2mm Heatshrink - 15 metres	10.82
HTB4.8	4.8mm Heatshrink - 12 metres	10.82
HTB6.4	6.4mm Heatshrink - 12 metres	10.82
HTB9.5	9.5mm Heatshrink - 8 metres	10.82
HTB12.7	12.7mm Heatshrink - 8 metres	10.82
HTB19.1	19.1mm Heatshrink - 5 metres	10.82
HTB25.4	25.4mm Heatshrink - 5 metres	10.82
MGB38.1	38.1mm Heatshrink - Available /metre	4.98
MGB50.8	50.8mm Heatshrink - Available /metre	6.48
MGB76.2	76.1mm Heatshrink - Available /metre	12.23
MGB101.6	101.6mm Heatshrink - Available /metre	15.98



**Heat Gun for Heatshrink**

REF NO	Description	PRICE
HG-1	240V AC Heatshrink Gun	POA

**Heatshrink Tubing - PLZH100 Halogen Free**

PLZH100 is a thin wall, zero halogen, flame retardant, heat shrinkable tubing. Specifically developed for rail, transportation, marine, offshore and construction markets. It has a 2:1 shrink ratio with an operating temperature of -40°C to +105°C. Available in standard colours.

REF NO	Diameter (mm)		PRICE
	Before Shrinking	After Shrinking	
PLZH100-6.4	6.4	3.2	210.00/100M
PLZH100-9.5	9.5	4.7	147.27/100M
PLZH100-12.7	12.7	6.4	209.10/100M
PLZH100-19.1	19.1	9.5	280.00/100M
PLZH100-25.4	25.4	12.7	178.00/50M
PLZH100-38.1	38.1	19.1	247.50/50M
PLZH100-50.8	50.8	25.4	172.00/25M



**Heatshrink Tubing - PLDW100**

PLDW is a general purpose, flexible polyolefin tubing with a thermoplastic adhesive inner liner. The inner liner melts and flows to seal and encapsulate the inner components, offering environmental protection. It has a 3:1 shrink ratio and an operating temperature of -55C to +85C. Available in Black and Transparent as standard with colours available to special order. Supplied in 1.2 metre lengths as standard, but also available on spools

REF NO	Diameter (mm)		Black PRICE /1.2M	Clear PRICE /1.2M
	Before Shrinking	After Shrinking		
PLDW100-3/1	3	1	1.73	2.30
PLDW100-6/2	6	2	1.45	2.00
PLDW100-9/3	9	3	1.55	2.40
PLDW100-12/4	12	4	2.58	3.13
PLDW100-18/6	18	6	3.43	4.45
PLDW100-24/8	24	8	5.80	7.55
PLDW100-39/13	39	13	8.70	9.60

