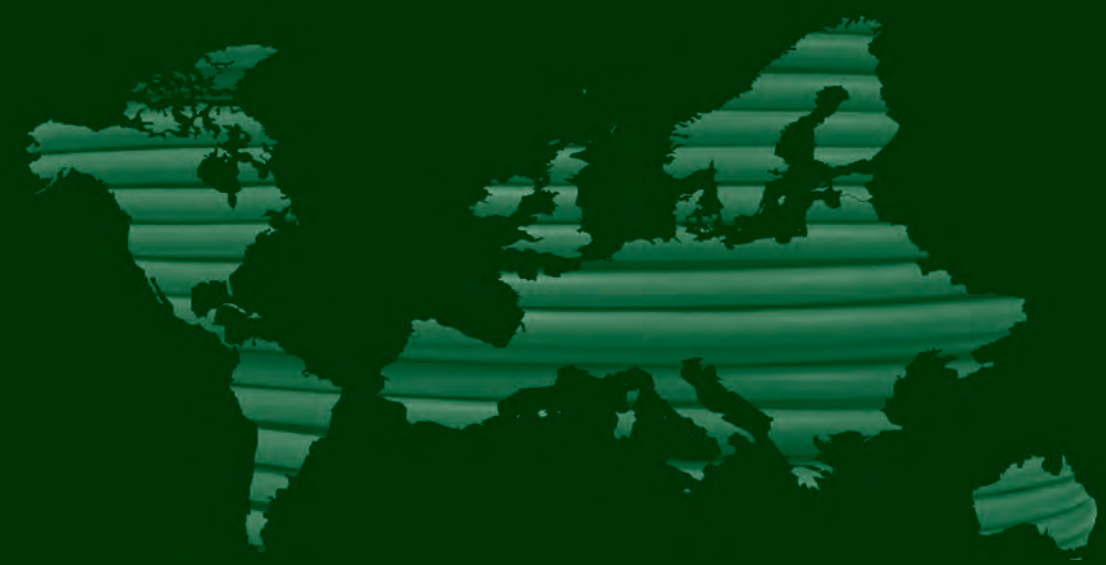
CLEVELAND CABLE COMPANY

A WORLD POWER IN CABLE SUPPLY

# The Cable and Accessory **Catalogue**



www.clevelandcable.com

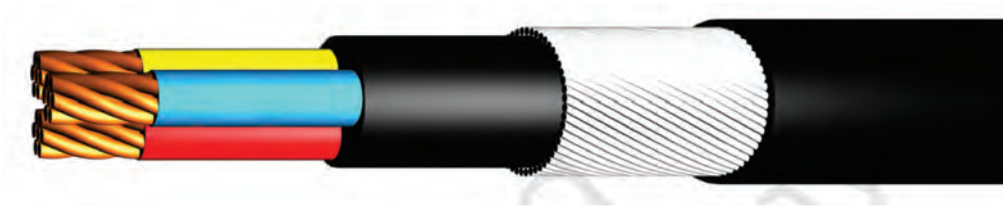

# Middlesbrough Head Office

## Warehouses and Stockyard

Cleveland Cable Company, established in 1978, is undoubtedly the foremost distributor of electrical cables in the UK and possibly Europe. The principal stocking location in Middlesbrough covers an area of twelve acres and includes over 160,000 square feet of warehousing. Additionally there are regional depots at Bristol, Glasgow, London, Milton Keynes, Newcastle and Warrington. Each location holds comprehensive stocks and is equipped with the most modern handling and measuring equipment.

In 2016, Cleveland Cable Company opened a depot in Dubai, with a fully staffed sales office and warehouse. We are holding in excess of 10 million dollars of stock readily available for collection or delivery. With our modern machinery, we are able to cut the cables we hold in stock to suit our customer requirements.

We also stock a full range of CMP Products, Legrand containment and Unistrut channel to provide a full package to our customers.



## MAINS AND CONTROL CABLES PVC

Stranded plain annealed copper conductors, XLPE insulated, PVC bedding, galvanised steel wire armour, PVC outer sheath. Black. 600/1000 volts grade to IEC60502-1 and BS5467. Flame propagation to BS EN 60332.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| XLPE2X1/5 | 1.5 | 7/0.53 | 2 | 234 | 11.06 | 20/16 | 0.5 |
| XLPE3X1/5 | 1.5 | 7/0.53 | 3 | 271 | 11.54 | 20/16 | 0.5 |
| XLPE4X1/5 | 1.5 | 7/0.53 | 4 | 306 | 12.26 | 20/16 | 0.5 |
| XLPE5X1/5 | 1.5 | 7/0.53 | 5 | 356 | 13.23 | 20S | 0.6 |
| XLPE7X1/5 | 1.5 | 7/0.53 | 7 | 391 | 14.1 | 20S | 0.6 |
| XLPE8X1/5 | 1.5 | 7/0.53 | 8 | 501 | 16.7 | 20 | 0.7 |
| XLPE10X1/5 | 1.5 | 7/0.53 | 10 | 650 | 18.0 | 20 | 0.8 |
| XLPE12X1/5 | 1.5 | 7/0.53 | 12 | 657 | 18.3 | 20 | 0.8 |
| XLPE19X1/5 | 1.5 | 7/0.53 | 19 | 863 | 20.78 | 25 | 0.9 |
| XLPE27X1/5 | 1.5 | 7/0.53 | 27 | 1310 | 25.1 | 25 | 1.0 |
| XLPE37X1/5 | 1.5 | 7/0.53 | 37 | 1590 | 27.5 | 32 | 1.1 |
| XLPE48X1/5 | 1.5 | 7/0.53 | 48 | 1900 | 30.0 | 32 | 1.2 |
| XLPE2X2/5 | 2.5 | 7/0.67 | 2 | 312 | 12.4 | 20S | 0.5 |
| XLPE3X2/5 | 2.5 | 7/0.67 | 3 | 343 | 12.99 | 20S | 0.6 |
| XLPE4X2/5 | 2.5 | 7/0.67 | 4 | 392 | 13.86 | 20S | 0.6 |
| XLPE5X2/5 | 2.5 | 7/0.67 | 5 | 463 | 14.92 | 20S | 0.6 |
| XLPE7X2/5 | 2.5 | 7/0.67 | 7 | 509 | 15.96 | 20 | 0.8 |
| XLPE10X2/5 | 2.5 | 7/0.67 | 10 | 850 | 20.0 | 25 | 0.8 |
| XLPE12X2/5 | 2.5 | 7/0.67 | 12 | 861 | 21.11 | 25 | 0.9 |
| XLPE19X2/5 | 2.5 | 7/0.67 | 19 | 1324 | 25.16 | 25 | 1.0 |
| XLPE27X2/5 | 2.5 | 7/0.67 | 27 | 1760 | 30.0 | 32 | 1.2 |
| XLPE37X2/5 | 2.5 | 7/0.67 | 37 | 2185 | 33.0 | 40 | 1.4 |
| XLPE48X2/5 | 2.5 | 7/0.67 | 48 | 2800 | 36.0 | 40 | 1.6 |
| XLPE2X4 | 4.0 | 7/0.85 | 2 | 373 | 13.38 | 20S | 0.6 |
| XLPE3X4 | 4.0 | 7/0.85 | 3 | 421 | 14.05 | 20S | 0.6 |
| XLPE4X4 | 4.0 | 7/0.85 | 4 | 496 | 15.04 | 20 | 0.6 |
| XLPE5X4 | 4.0 | 7/0.85 | 5 | 573 | 16.35 | 20 | 0.7 |
| XLPE7X4 | 4.0 | 7/0.85 | 7 | 741 | 18.21 | 20 | 0.8 |
| XLPE12X4 | 4.0 | 7/0.85 | 12 | 1255 | 24.24 | 25 | 1.0 |
| XLPE19X4 | 4.0 | 7/0.85 | 19 | 1690 | 27.61 | 32 | 1.1 |
| XLPE27X4 | 4.0 | 7/0.85 | 27 | 2250 | 32.0 | 32 | 1.4 |
| XLPE2X6 | 6.0 | 7/1.04 | 2 | 450 | 14.38 | 20S | 0.6 |
| XLPE3X6 | 6.0 | 7/1.04 | 3 | 515 | 15.14 | 20 | 0.7 |
| XLPE4X6 | 6.0 | 7/1.04 | 4 | 696 | 17.03 | 20 | 0.7 |
| XLPE5X6 | 6.0 | 7/1.04 | 5 | 808 | 18.39 | 20 | 0.8 |
| XLPE7X6 | 6.0 | 7/1.04 | 7 | 1100 | 21.9 | 25 | 0.9 |
| XLPE2X10 | 10.0 | 7/1.35 | 2 | 590 | 16.18 | 20 | 0.7 |
| XLPE3X10 | 10.0 | 7/1.35 | 3 | 781 | 17.76 | 20 | 0.8 |
| XLPE4X10 | 10.0 | 7/1.35 | 4 | 927 | 19.09 | 25 | 0.8 |
| XLPE5X10 | 10.0 | 7/1.35 | 5 | 1095 | 20.91 | 25 | 0.9 |
| XLPE7X10 | 10.0 | 7/1.35 | 7 | 1500 | 25.0 | 25 | 1.0 |
| XLPE2X16 | 16.0 | 7/1.70 | 2 | 893 | 19.06 | 25 | 0.8 |
| XLPE3X16 | 16.0 | 7/1.70 | 3 | 1059 | 20.35 | 25 | 0.9 |
| XLPE4X16 | 16.0 | 7/1.70 | 4 | 1269 | 21.95 | 25 | 0.9 |
| XLPE5X16 | 16.0 | 7/1.70 | 5 | 1679 | 25.19 | 25 | 1.1 |
| XLPE7X16 | 16.0 | 7/1.70 | 7 | 2150 | 28.1 | 32 | 1.2 |

Temperature limits:
-15 to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core and above - 1.5$mm^2$ - 2.5$mm^2$ - White with Black numbers.

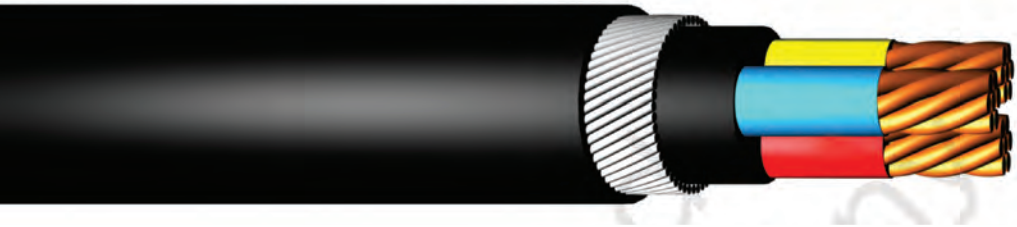
5 core - 4$mm^2$ - 16$mm^2$ Red, Yellow, Blue, Black, Green/Yellow

1.5 & 2.5 - 2,3,4 core also available in white numbered cores to ESI 09-6.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.



## MAINS CABLES PVC

Stranded plain annealed copper conductors, XLPE insulated, PVC bedding, galvanised steel wire armour, PVC outer sheath. Black. 600/1000 volts grade to IEC60502-1 and BS5467. Flame propagation to BS EN 60332.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| 6942X25 | 25 | 7/2.14 | 2 | 1050 | 20.0 | 25 | 0.8 |
| 6943X25 | 25 | 7/2.14 | 3 | 1500 | 23.0 | 25 | 1.0 |
| 6944X25 | 25 | 7/2.14 | 4 | 1800 | 25.0 | 32 | 1.0 |
| 6945X25 | 25 | 7/2.14 | 5 | 2200 | 29.0 | 32 | 1.2 |
| 6942X35 | 35 | 7/2.52 | 2 | 1400 | 22.0 | 25 | 0.9 |
| 6943X35 | 35 | 7/2.52 | 3 | 1800 | 26.0 | 32 | 1.1 |
| 6944X35 | 35 | 7/2.52 | 4 | 2200 | 28.0 | 32 | 1.2 |
| 6945X35 | 35 | 7/2.52 | 5 | 2800 | 33.0 | 40 | 1.4 |
| 6942X50 | 50 | 19/1.78 | 2 | 1750 | 25.0 | 32 | 1.0 |
| 6943X50 | 50 | 19/1.78 | 3 | 2250 | 28.0 | 32 | 1.2 |
| 6944X50 | 50 | 19/1.78 | 4 | 2850 | 31.0 | 32 | 1.4 |
| 6945X50 | 50 | 19/1.78 | 5 | 3850 | 38.0 | 40 | 1.6 |
| 6942X70 | 70 | 19/2.14 | 2 | 2200 | 28.0 | 32 | 1.2 |
| 6943X70 | 70 | 19/2.14 | 3 | 3000 | 32.0 | 32 | 1.4 |
| 6944X70 | 70 | 19/2.14 | 4 | 4100 | 37.0 | 40 | 1.6 |
| 6945X70 | 70 | 19/2.14 | 5 | 5100 | 43.0 | 50S | 1.8 |
| 6942X95 | 95 | 19/2.52 | 2 | 3000 | 32.0 | 40 | 1.4 |
| 6943X95 | 95 | 19/2.52 | 3 | 4150 | 37.0 | 40 | 1.6 |
| 6944X95 | 95 | 19/2.52 | 4 | 5200 | 40.0 | 50S | 1.8 |
| 6945X95 | 95 | 19/2.52 | 5 | 7700 | 52.0 | 50 | TC9 |
| 6942X120 | 120 | 37/2.03 | 2 | 3600 | 35.0 | 40 | 1.4 |
| 6943X120 | 120 | 37/2.03 | 3 | 4950 | 40.0 | 50S | 1.8 |
| 6944X120 | 120 | 37/2.03 | 4 | 6700 | 46.0 | 50 | 2.0 |
| 6942X150 | 150 | 37/2.25 | 2 | 4250 | 37.0 | 40 | 1.6 |
| 6943X150 | 150 | 37/2.25 | 3 | 6300 | 45.0 | 50 | 1.8 |
| 6944X150 | 150 | 37/2.25 | 4 | 7900 | 49.0 | 50 | 2.0 |
| 6942X185 | 185 | 37/2.52 | 2 | 5500 | 43.0 | 50 | 1.8 |
| 6943X185 | 185 | 37/2.52 | 3 | 7650 | 49.0 | 50 | 2.0 |
| 6944X185 | 185 | 37/2.52 | 4 | 9650 | 55.0 | 63S | TC9 |
| 6942X240 | 240 | 61/2.25 | 2 | 6900 | 48.0 | 50 | 2.0 |
| 6943X240 | 240 | 61/2.25 | 3 | 9650 | 56.0 | 63S | TC9 |
| 6944X240 | 240 | 61/2.25 | 4 | 12400 | 62.0 | 63 | TC10 |
| 6942X300 | 300 | 61/2.52 | 2 | 8200 | 50.0 | 50 | 2.0 |
| 6943X300 | 300 | 61/2.52 | 3 | 11550 | 59.0 | 63 | TC10 |
| 6944X300 | 300 | 61/2.52 | 4 | 14800 | 66.0 | 75S | TC11 |
| 6942X400 | 400 | 61/2.85 | 2 | 10100 | 56.0 | 63S | TC9 |
| 6943X400 | 400 | 61/2.85 | 3 | 14350 | 65.0 | 75S | TC11 |
| 6944X400 | 400 | 61/2.85 | 4 | 19300 | 76.6 | 75 | TC14 |

Temperature limits:
-15 to +90°C.

*Bending radius:
8 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C or above +60°C.

**NB 5 CORE 95MM AND ABOVE ARE MANUFACTURED TO IEC60502-1**

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

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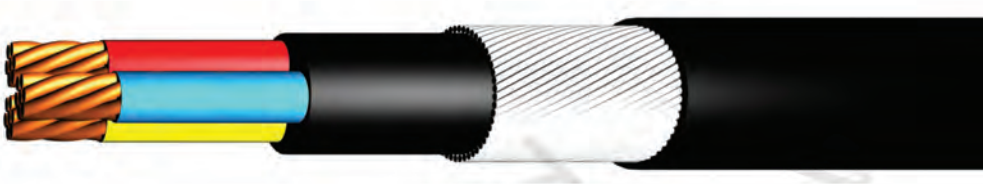


## MAINS AND CONTROL CABLES LSZH

Plain annealed stranded copper conductors, XLPE insulated, low smoke and zero halogen (LSZH) bedding, galvanised steel wire armour, low smoke and zero halogen (LSZH) outer sheath. Black. 600/1000 volts grade to IEC60502-1 and BS6724. Acid gas emission to BS EN 50267 (IEC 60754-1), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to IEC 60332-1, IEC 60332-3, Category C; BS EN 50265, BS EN 50266, low smoke and zero halogen (LSZH).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| LSF2X1/5 | 1.5 | 7/0.53 | 2 | 260 | 11.0 | 20/16 | 0.5 |
| LSF3X1/5 | 1.5 | 7/0.53 | 3 | 295 | 11.2 | 20/16 | 0.5 |
| LSF4X1/5 | 1.5 | 7/0.53 | 4 | 350 | 12.5 | 20S | 0.5 |
| LSF5X1/5 | 1.5 | 7/0.53 | 5 | 362 | 12.9 | 20S | 0.6 |
| LSF7X1/5 | 1.5 | 7/0.53 | 7 | 398 | 13.7 | 20S | 0.6 |
| LSF10X1/5 | 1.5 | 7/0.53 | 10 | 650 | 18.0 | 20 | 0.8 |
| LSF12X1/5 | 1.5 | 7/0.53 | 12 | 680 | 18.0 | 20 | 0.8 |
| LSF19X1/5 | 1.5 | 7/0.53 | 19 | 885 | 20.6 | 25 | 0.9 |
| LSF27X1/5 | 1.5 | 7/0.53 | 27 | 1310 | 25.1 | 32 | 1.0 |
| LSF37X1/5 | 1.5 | 7/0.53 | 37 | 1590 | 27.5 | 32 | 1.1 |
| LSF48X1/5 | 1.5 | 7/0.53 | 48 | 1958 | 31.0 | 32 | 1.4 |
| LSF2X2/5 | 2.5 | 7/0.67 | 2 | 270 | 12.2 | 20S | 0.5 |
| LSF3X2/5 | 2.5 | 7/0.67 | 3 | 360 | 12.8 | 20S | 0.6 |
| LSF4X2/5 | 2.5 | 7/0.67 | 4 | 410 | 13.5 | 20S | 0.6 |
| LSF5X2/5 | 2.5 | 7/0.67 | 5 | 435 | 14.7 | 20 | 0.6 |
| LSF7X2/5 | 2.5 | 7/0.67 | 7 | 520 | 15.6 | 20 | 0.7 |
| LSF10X2/5 | 2.5 | 7/0.67 | 10 | 250 | 20.0 | 25 | 0.8 |
| LSF12X2/5 | 2.5 | 7/0.67 | 12 | 905 | 21.0 | 25 | 0.9 |
| LSF19X2/5 | 2.5 | 7/0.67 | 19 | 1360 | 25.0 | 32 | 1.0 |
| LSF27X2/5 | 2.5 | 7/0.67 | 27 | 1760 | 30.0 | 32 | 1.2 |
| LSF37X2/5 | 2.5 | 7/0.67 | 37 | 2185 | 33.0 | 40 | 1.4 |
| LSF48X2/5 | 2.5 | 7/0.67 | 48 | 3003 | 37.3 | 40 | 1.6 |
| LSF2X4 | 4.0 | 7/0.85 | 2 | 381 | 13.1 | 20S | 0.6 |
| LSF3X4 | 4.0 | 7/0.85 | 3 | 435 | 13.7 | 20S | 0.6 |
| LSF4X4 | 4.0 | 7/0.85 | 4 | 495 | 14.8 | 20 | 0.6 |
| LSF5X4 | 4.0 | 7/0.85 | 5 | 583 | 16.35 | 20 | 0.7 |
| LSF7X4 | 4.0 | 7/0.85 | 7 | 760 | 18.2 | 20 | 0.8 |
| LSF12X4 | 4.0 | 7/0.85 | 12 | 1266 | 24.24 | 25 | 1.0 |
| LSF19X4 | 4.0 | 7/0.85 | 19 | 1701 | 27.61 | 32 | 1.2 |
| LSF27X4 | 4.0 | 7/0.85 | 27 | 2347 | 32.3 | 40 | 1.4 |
| LSF2X6 | 6.0 | 7/1.04 | 2 | 405 | 14.1 | 20 | 0.6 |
| LSF3X6 | 6.0 | 7/1.04 | 3 | 490 | 14.8 | 20 | 0.6 |
| LSF4X6 | 6.0 | 7/1.04 | 4 | 670 | 17.3 | 20 | 0.7 |
| LSF5X6 | 6.0 | 7/1.04 | 5 | 823 | 18.39 | 20 | 0.8 |
| LSF7X6 | 6.0 | 7/1.04 | 7 | 1100 | 21.9 | 25 | 0.9 |
| LSF2X10 | 10.0 | 7/1.35 | 2 | 600 | 16.1 | 20 | 0.7 |
| LSF3X10 | 10.0 | 7/1.35 | 3 | 750 | 17.9 | 20 | 0.8 |
| LSF4X10 | 10.0 | 7/1.35 | 4 | 885 | 19.3 | 25 | 0.8 |
| LSF5X10 | 10.0 | 7/1.35 | 5 | 1106 | 20.91 | 25 | 0.9 |
| LSF7X10 | 10.0 | 7/1.35 | 7 | 1500 | 25.0 | 25 | 1.0 |
| LSF2X16 | 16.0 | 7/1.70 | 2 | 905 | 19.0 | 25 | 0.8 |
| LSF3X16 | 16.0 | 7/1.70 | 3 | 990 | 20.0 | 25 | 0.8 |
| LSF4X16 | 16.0 | 7/1.70 | 4 | 1195 | 22.0 | 25 | 0.9 |
| LSF5X16 | 16.0 | 7/1.70 | 5 | 1695 | 25.19 | 25 | 1.0 |
| LSF7X16 | 16.0 | 7/1.70 | 7 | 2150 | 28.1 | 32 | 1.2 |

Temperature limits:
-25 to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core and above - 1.5$mm^2$ - 2.5$mm^2$ - White with Black numbers.
5 core - 4$mm^2$ - 16$mm^2$ Red, Yellow, Blue, Black, Green/Yellow.

1.5 & 2.5 - 2,3,4 core also available in white numbered cores to ESI 09-6.

Should not be installed at temperatures below 0°C or above +40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## MAINS CABLES LSZH

Stranded plain annealed copper conductors, XLPE insulated, low smoke and zero halogen (LSZH) extruded bedding, galvanised steel wire armour, low smoke and zero halogen (LSZH) outer sheath. Black. 600/1000 volts grade to IEC60502-1 and BS6724. Acid gas emission to BS EN 50267 (IEC 60754-1), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to IEC 60332-1, IEC 60332-3, Category C; BS EN 50265, BS EN 50266, low smoke and zero halogen (LSZH).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| LSF2X25 | 25 | 7/2.14 | 2 | 1050 | 20.0 | 25 | 0.8 |
| LSF3X25 | 25 | 7/2.14 | 3 | 1500 | 23.0 | 25 | 1.0 |
| LSF4X25 | 25 | 7/2.14 | 4 | 1800 | 25.0 | 32 | 1.0 |
| LSF5X25 | 25 | 7/2.14 | 5 | 2200 | 29.0 | 32 | 1.2 |
| LSF2X35 | 35 | 7/2.52 | 2 | 1400 | 22.0 | 25 | 0.9 |
| LSF3X35 | 35 | 7/2.52 | 3 | 1800 | 26.0 | 32 | 1.1 |
| LSF4X35 | 35 | 7/2.52 | 4 | 2200 | 28.0 | 32 | 1.2 |
| LSF5X35 | 35 | 7/2.52 | 5 | 2800 | 33.0 | 40 | 1.4 |
| LSF2X50 | 50 | 19/1.78 | 2 | 1750 | 25.0 | 32 | 1.0 |
| LSF3X50 | 50 | 19/1.78 | 3 | 2250 | 28.0 | 32 | 1.2 |
| LSF4X50 | 50 | 19/1.78 | 4 | 2850 | 31.0 | 32 | 1.4 |
| LSF5X50 | 50 | 19/1.78 | 5 | 3850 | 38.0 | 40 | 1.6 |
| LSF2X70 | 70 | 19/2.14 | 2 | 2200 | 28.0 | 32 | 1.2 |
| LSF3X70 | 70 | 19/2.14 | 3 | 3000 | 32.0 | 32 | 1.4 |
| LSF4X70 | 70 | 19/2.14 | 4 | 4100 | 37.0 | 40 | 1.6 |
| LSF5X70 | 70 | 19/2.14 | 5 | 5100 | 43.0 | 50S | 1.8 |
| LSF2X95 | 95 | 19/2.52 | 2 | 3000 | 32.0 | 32 | 1.4 |
| LSF3X95 | 95 | 19/2.52 | 3 | 4150 | 37.0 | 40 | 1.6 |
| LSF4X95 | 95 | 19/2.52 | 4 | 5200 | 40.0 | 50S | 1.6 |
| LSF5X95 | 95 | 19/2.52 | 5 | 7700 | 52.0 | 50 | TC9 |
| LSF2X120 | 120 | 37/2.03 | 2 | 3600 | 35.0 | 40 | 1.4 |
| LSF3X120 | 120 | 37/2.03 | 3 | 4950 | 40.0 | 50S | 1.6 |
| LSF4X120 | 120 | 37/2.03 | 4 | 6700 | 46.0 | 50 | 2.0 |
| LSF5X120 | 120 | 37/2.03 | 5 | 9030 | 56.7 | 63S | TC9 |
| LSF2X150 | 150 | 37/2.25 | 2 | 4250 | 37.0 | 40 | 1.6 |
| LSF3X150 | 150 | 37/2.25 | 3 | 6300 | 45.0 | 50S | 1.8 |
| LSF4X150 | 150 | 37/2.25 | 4 | 7900 | 49.0 | 50 | 2.0 |
| LSF5X150 | 150 | 37/2.25 | 5 | 10752 | 64.31 | 63 | TC11 |
| LSF2X185 | 185 | 37/2.52 | 2 | 5500 | 43.0 | 50S | 1.8 |
| LSF3X185 | 185 | 37/2.52 | 3 | 7650 | 49.0 | 50 | 2.0 |
| LSF4X185 | 185 | 37/2.52 | 4 | 9650 | 55.0 | 63S | TC9 |
| LSF5X185 | 185 | 37/2.52 | 5 | 11765 | 64.6 | 75S | TC11 |
| LSF2X240 | 240 | 61/2.25 | 2 | 6900 | 48.0 | 50 | 2.0 |
| LSF3X240 | 240 | 61/2.25 | 3 | 9650 | 56.0 | 63S | TC9 |
| LSF4X240 | 240 | 61/2.25 | 4 | 12400 | 62.0 | 63 | TC10 |
| LSF5X240 | 240 | 61/2.25 | 5 | 15000 | 73.8 | 75 | TC12 |
| LSF2X300 | 300 | 61/2.52 | 2 | 8200 | 50.0 | 50 | 2.0 |
| LSF3X300 | 300 | 61/2.52 | 3 | 11550 | 59.0 | 63 | TC10 |
| LSF4X300 | 300 | 61/2.52 | 4 | 14800 | 66.0 | 75S | TC11 |
| LSF3X400 | 400 | 61/2.85 | 3 | 14350 | 65.0 | 75S | TC11 |
| LSF4X400 | 400 | 61/2.85 | 4 | 19300 | 76.6 | 75 | TC14 |

Temperature limits:
-25 to +90°C.

*Bending radius:
8 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C or above +40°C.

**NB 5 CORE 95MM AND ABOVE ARE MANUFACTURED TO IEC60502-1**

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## SINGLE CORE ARMOURED MAINS CABLES PVC 11000V

Stranded plain annealed circular compacted copper conductors, XLPE insulated, semi-conducting tape insulated, copper tape screen, PVC bedding, aluminium wire armour, PVC outer sheath - Red. 6350/11000 volts grade to IEC60502 and BS6622. Flame propagation to BS EN 60332. Red outer sheath can be prone to fading when exposed to U.V rays.

| CCC Code | Conductor Size | Stranding (mm) ($mm^2$) | No. Of Cores | Weight (Kg/Km) | Overall Diameter | Nylon Cleat Size | Trefoil Cleat Size |
|---|---|---|---|---|---|---|---|
| 10001 | 50 | 19/1.78 | 1 | 1200 | 28.7 | 12 | 376AC04 |
| 10002 | 70 | 19/2.14 | 1 | 1461 | 30.5 | 14 | 376AC05 |
| 10003 | 95 | 19/2.52 | 1 | 1761 | 32.2 | 14 | 376AC06 |
| 10004 | 120 | 37/2.03 | 1 | 2049 | 33.8 | 14 | 376AC07 |
| 10005 | 150 | 37/2.25 | 1 | 2451 | 36.2 | 16 | 376AC08 |
| 10006 | 185 | 37/2.52 | 1 | 2848 | 37.9 | 16 | 376AC09 |
| 10007 | 240 | 61/2.25 | 1 | 3470 | 40.4 | 16 | 376AC11 |
| 10008 | 300 | 61/2.52 | 1 | 4103 | 42.6 | 18 | 376AC12 |
| 10009 | 400 | 61/2.85 | 1 | 4995 | 45.6 | 18 | 376AC14 |
| 10010 | 500 | 61/3.20 | 1 | 6320 | 50.0 | 20 | 376AC17 |
| 10011 | 630 | 127/2.52 | 1 | 7840 | 54.0 | TC9 | 376AC19 |

Temperature limits: up to 90°C.

*Bending radius: 12 x overall diameter.

Should not be installed at temperatures below 0°C or above +60°C.

## 3 CORE MAINS CABLES PVC 11000V

Stranded plain annealed circular compacted copper conductors, XLPE insulated, semi-conducting tape insulated, each core copper tape screened, PVC bedding, galvanised steel wire armour, PVC outer sheath - Red. 6350/11000 volts grade to IEC60502 and BS6622. Flame propagation to BS EN 60332. Red outer sheath can be prone to fading when exposed to U.V rays.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|
| 11KV XLPE3X25RD | 25 | 7/2/14 | 3 | 4300 | 48.4 | 2.0 |
| 11KV XLPE3X35RD | 35 | 19/1/53 | 3 | 4491 | 50.5 | 2.0 |
| 11KV XLPE3X50RD | 50 | 19/1/78 | 3 | 5105 | 53.3 | TC9 |
| 11KV XLPE3X70RD | 70 | 19/2/14 | 3 | 6019 | 56.9 | TC9 |
| 11KV XLPE3X95RD | 95 | 19/2/52 | 3 | 7148 | 61.0 | TC10 |
| 11KV XLPE3X120RD | 120 | 37/2/03 | 3 | 8199 | 64.6 | TC11 |
| 11KV XLPE3X150RD | 150 | 37/2/25 | 3 | 9274 | 67.8 | TC11 |
| 11KV XLPE3X185RD | 185 | 37/2/52 | 3 | 10706 | 71.9 | TC12 |
| 11KV XLPE3X240RD | 240 | 61/2/25 | 3 | 13740 | 78.8 | TC14 |
| 11KV XLPE3X300RD | 300 | 61/2/52 | 3 | 16051 | 84.1 | TC14 |
| 11KV XLPE3X400RD | 400 | 61/2/85 | 3 | 19095 | 90.3 | TC15 |

Temperature limits: up to 90°C.

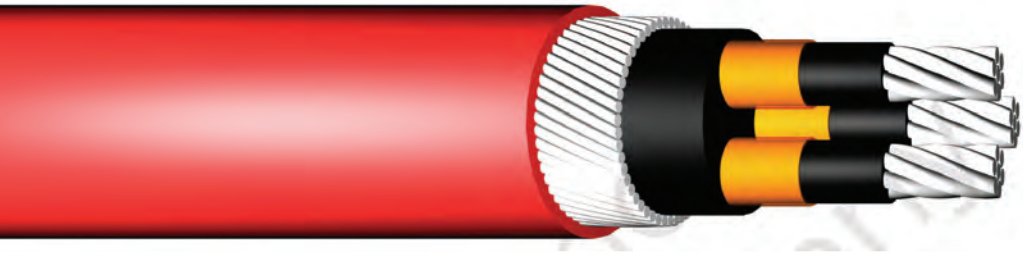
*Bending radius: 12 x overall diameter.

Core identification: Red, Yellow, Blue.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.



## 3 CORE MAINS CABLES PVC 11000V

Plain stranded aluminium conductors, XLPE insulated, semi-conducting tape insulated, each core copper tape screened, PVC bedding (extruded), galvanised steel wire armour, PVC outer sheath. Red. 6350/11000 volts grade to IEC60502 and BS6622. Flame propagation to BS EN 60332. Red outer sheath can be prone to fading when exposed to U.V rays.

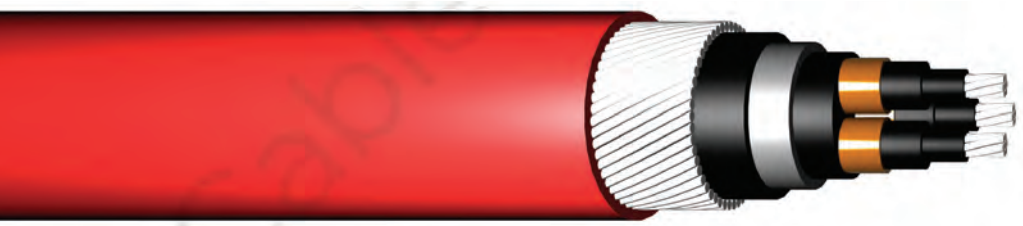
| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|
| 10115RD | 95 | 19/2.52 | 3 | 5800 | 62.6 | TC10 |
| 10116RD | 120 | 37/2.03 | 3 | 6400 | 66.6 | TC11 |
| 10117RD | 150 | 37/2.25 | 3 | 7000 | 68.6 | TC11 |
| 10118RD | 185 | 37/2.52 | 3 | 7800 | 74.1 | TC12 |
| 10119RD | 240 | 61/2.25 | 3 | 9800 | 81.2 | TC14 |
| 10120RD | 300 | 61/2.52 | 3 | 11000 | 86.8 | TC15 |

Temperature limits: up to 90°C.

*Bending radius: 13 x overall diameter.

Core identification: Red, Yellow, Blue tapes.

Should not be installed at temperatures below 0°C or above +60°C.



## ALUMINIUM CONDUCTOR

Plain aluminium stranded conductors, paper insulated, paper belted, semi-conducting carbon paper tape bedding, lead sheathed, textile compound bedding, galvanised steel wire armour, PVC outer sheath - Red. 6350/11000 volts grade to BS6480/88. Flame propagation to BS EN 60332. Red outer sheath can be prone to fading when exposed to U.V rays.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|
| 10100RD | 95 | 19/2.52 | 3 | 7115 | 53.2 | TC9 |
| 10103RD | 185 | 37/2.52 | 3 | 9521 | 63.5 | TC11 |
| 10105RD | 300 | 61/2.52 | 3 | 13403 | 71.5 | TC12 |

Temperature limits: up to 65°C.

*Bending radius: 13 x overall diameter.

Core identification: White printed numbers on insulating papers.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## SINGLE CORE ARMOURED MAINS CABLES LSZH 11000V

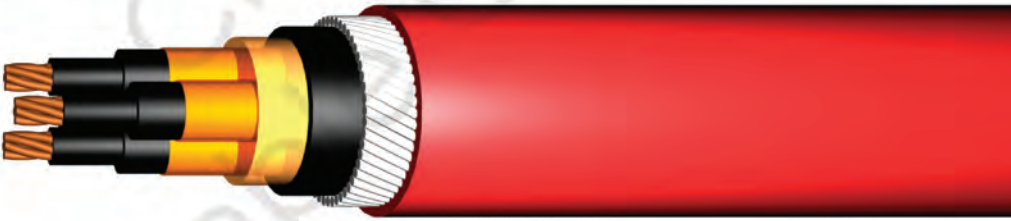
Stranded plain annealed compacted circular copper conductor, XLPE insulated, semi-conducting tape insulated, copper tape screen, low smoke and zero halogen (LSZH) bedding, aluminium wire armour, low smoke and zero halogen (LSZH) outer sheath - Red. 6350/11000 volts grade to BS7835. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332). Due to poor U.V resistant qualities, red outer sheath cables are not recommended for outdoor installation.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Nylon Cleat Size | Trefoil Cleat |
|---|---|---|---|---|---|---|---|
| 10050 | 50 | 19/1.78 | 1 | 1200 | 28.7 | 12 | 376AC04 |
| 10051 | 70 | 19/2.14 | 1 | 1461 | 30.5 | 14 | 376AC05 |
| 10052 | 95 | 19/2.52 | 1 | 1761 | 32.2 | 14 | 376AC06 |
| 10053 | 120 | 37/2.03 | 1 | 2049 | 33.8 | 14 | 376AC07 |
| 10054 | 150 | 37/2.25 | 1 | 2451 | 36.2 | 16 | 376AC08 |
| 10055 | 185 | 37/2.52 | 1 | 2848 | 37.9 | 16 | 376AC09 |
| 10056 | 240 | 61/2.25 | 1 | 3470 | 40.4 | 16 | 376AC11 |
| 10057 | 300 | 61/2.52 | 1 | 4103 | 42.6 | 18 | 376AC12 |
| 10058 | 400 | 61/2.85 | 1 | 4995 | 45.6 | 18 | 376AC14 |
| 10059 | 500 | 61X3.20 | 1 | 6320 | 50.0 | 20 | 376AC17 |
| 10060 | 630 | 127X2.52 | 1 | 7840 | 54.0 | TC9 | 376AC19 |

Temperature limits:
up to 90°C.

*Bending radius:
15 x overall diameter.

Should not be installed at temperatures below 0°C or above +40°C.



## 3 CORE MAINS CABLES LSZH 11000V

Stranded plain annealed compacted circular copper conductors, XLPE insulated, semi-conducting tape insulated, each core copper tape screened, low smoke and zero halogen (LSZH) bedding, galvanised steel wire armour, low smoke and zero halogen (LSZH) outer sheath - Red. 6350/11000 volts grade to BS7835. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332). Due to poor U.V resistant qualities red outer sheath cables are not recommended for outdoor installation.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|
| 10302RD | 35 | 19/1.53 | 3 | 4501 | 50.5 | TC9 |
| 10304RD | 50 | 19/1.78 | 3 | 5117 | 53.3 | TC9 |
| 10306RD | 70 | 19/2.14 | 3 | 6032 | 56.9 | TC9 |
| 10308RD | 95 | 19/2.52 | 3 | 7163 | 61.0 | TC10 |
| 10310RD | 120 | 37/2.03 | 3 | 8216 | 64.6 | TC11 |
| 10312RD | 150 | 37/2.25 | 3 | 9292 | 67.8 | TC11 |
| 10314RD | 185 | 37/2.52 | 3 | 10726 | 71.9 | TC12 |
| 10316RD | 240 | 61/2.25 | 3 | 13763 | 78.8 | TC14 |
| 10318RD | 300 | 61/2.52 | 3 | 16077 | 84.1 | TC14 |
| 10320RD | 400 | 70/3.15 | 3 | 19124 | 90.3 | TC15 |

Temperature limits:
- 15 to + 90°C

*Bending radius:
12 x overall diameter.

Core identification: Red, Yellow, Blue tapes.

Should not be installed at temperatures below 0°C or above +40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## STANDARD FIRE ALARM AND SECURITY WIRING CABLES

Plain annealed copper conductor, silicon rubber insulated aluminium/polyester tape screen, tinned annealed copper earth wire, low smoke zero halogen (LSZH) outer sheath. Red, White, Orange or Black. Fire resistant to IEC 331 and BS6387. Flame retardant to BS5839-1:2003 and IEC 60332-3 CAT CWZ, BS7629-1 1997. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | 1 Hole Clip Ref | Gland Ref |
|---|---|---|---|---|---|---|---|---|
| FP2X1 | 1.0 | 1/1.13 | 2+E | 90 | 7.5 | 20 | 28 | 251 |
| FP3X1 | 1.0 | 1/1.13 | 3+E | 110 | 8.0 | 20 | 30 | 251 |
| FP4X1 | 1.0 | 1/1.13 | 4+E | 135 | 8.8 | 20 | 34 | 251 |
| FP7X1 | 1.0 | 1/1.13 | 7+E | 170 | 10.5 | 20 | 40 | 252 |
| FP12X1 | 1.0 | 1/1.13 | 12+E | 270 | 13.7 | 25 | 54 | 254 |
| FP2X1/ 5 | 1.5 | 1/1.38 | 2+E | 110 | 8.0 | 20 | 32 | 251 |
| FP3X1/ 5 | 1.5 | 1/1.38 | 3+E | 130 | 8.4 | 20 | 34 | 251 |
| FP4X1/5 | 1.5 | 1/1.38 | 4+E | 160 | 9.5 | 20 | 37 | 251 |
| FP7X1/5 | 1.5 | 1/1.38 | 7+D | 230 | 11.3 | 20 | 43 | 252 |
| FP12X1/5 | 1.5 | 1/1.38 | 12+D | 365 | 15.2 | 25 | 59 | 254 |
| FP19X1/5 | 1.5 | 1/1.38 | 19+D | 540 | 17.8 | 25 | 67 | 254 |
| FP2X2/5 | 2.5 | 1/1.78 | 2+E | 160 | 9.0 | 20 | 34 | 252 |
| FP3X2/5 | 2.5 | 1/1.78 | 3+E | 200 | 10.5 | 20 | 40 | 252 |
| FP4X2/5 | 2.5 | 1/1.78 | 4+E | 250 | 11.7 | 20 | 43 | 252 |
| FP7X2/5 | 2.5 | 1/1.78 | 7+D | 285 | 13.7 | 20 | 54 | 252 |
| FP12X2/5 | 2.5 | 1/1.78 | 12+D | 470 | 17.9 | 25 | 67 | 254 |
| FP19X2/5 | 2.5 | 1/1.78 | 19+D | 720 | 21.4 | 32 | 79 | 255 |
| FP2X4 | 4.0 | 7/0.85 | 2+E | 260 | 11.3 | 20 | 43 | 252 |
| FP3X4 | 4.0 | 7/0.85 | 3+E | 315 | 12.1 | 25 | 47 | 254 |
| FP4X4 | 4.0 | 7/0.85 | 4+E | 380 | 13.3 | 25 | 54 | 254 |

E = Bare earth conductor.
D = Drain wire.

Temperature limits:
-10 to +80°C.

*Bending radius:
6 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
7 core and above - White with Black numbers.

Should not be installed at temperatures below 0°C or above +40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## ENHANCED FIRE ALARM AND SECURITY WIRING CABLES

Plain annealed copper conductor, enhanced silicon rubber insulated, enhanced aluminium/polyester tape screen, tinned annealed copper earth wire, enhanced low smoke zero halogen outer sheath. Red or white. Manufactured to meet the Enhanced standard of BS5839-1 2002 +A2:2008 Clause 26.2e Enhanced and also the requirements of BS8434 - 2:2003 120 minutes and BS EN 50200 Class PH120. Fire resistant to BS7629-1:2008, BS6387:1994 clause 11 CWZ, halogen emissions to BS EN 50267-2-1:1999 and low smoke standard BS EN 61034-2:2005.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | 1 Hole Clip Ref | Gland Ref |
|---|---|---|---|---|---|---|---|---|
| ENH2X1/5 | 1.5 | 1/1.38 | 2+E | 110 | 8.0 | 20 | 32 | 251 |
| ENH3X1/5 | 1.5 | 1/1.38 | 3+E | 130 | 8.4 | 20 | 34 | 251 |
| ENH4X1/5 | 1.5 | 1/1.38 | 4+E | 160 | 9.5 | 20 | 37 | 251 |
| ENH2X2/5 | 2.5 | 1/1.78 | 2+E | 160 | 9.0 | 20 | 34 | 252 |
| ENH3X2/5 | 2.5 | 1/1.78 | 3+E | 200 | 10.5 | 20 | 40 | 252 |
| ENH4X2/5 | 2.5 | 1/1.78 | 4+E | 250 | 11.7 | 20 | 43 | 252 |
| ENH2x4 | 4.0 | 7/0.85 | 2+E | 260 | 11.3 | 20 | 43 | 252 |
| ENH3x4 | 4.0 | 7/0.85 | 3+E | 315 | 12.1 | 25 | 47 | 254 |
| ENH4x4 | 4.0 | 7/0.85 | 4+E | 380 | 13.3 | 25 | 51 | 254 |

E = Bare earth conductor.

Temperature limits:
-40 to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.

Should not be installed at temperatures below 0°C or above +40°C.

## FIREPROOF CABLES - SINGLES

Plain annealed copper conductor, mica fire resistant tape, low smoke zero halogen (LSZH) insulation. 600/1000 volts grade. Fire resistant to IEC 331 and BS6387, CWZ when tested in steel conduit. Manufactured to meet the following standards - acid gas emission to BS EN 50267, flame retardant to BS EN 60332-1-2 and smoke emission to BS7211.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) |
|---|---|---|---|---|---|
| 6491F1/5 | 1.5 | 7/0.53 | 1 | 32 | 3.30 |
| 6491F2/5 | 2.5 | 7/0.67 | 1 | 43 | 3.75 |
| 6491F4 | 4.0 | 7/0.85 | 1 | 55 | 4.30 |
| 6491F6 | 6.0 | 7/1.04 | 1 | 85 | 5.00 |
| 6491F10 | 10.0 | 7/1.35 | 1 | 146 | 6.80 |
| 6491F16 | 16.0 | 7/1.70 | 1 | 198 | 8.00 |

Temperature limits:
- 40 to + 90°C.

*Bending radius:
8 x Overall Diameter.

Standard colours available:
Red, Yellow, Blue, Black, Green/Yellow.

Should not be installed at temperatures below 0°C or above 40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIREPROOF MAINS AND CONTROL CABLES LSZH

Plain annealed stranded copper conductor, mica fire resistant tape, XLPE insulated, low smoke & zero halogen (LSZH) bedding, galvanised steel wire armour, low smoke & zero halogen (LSZH) outer sheath. Black. 600/1000 volts. Fire resistant to IEC 331 & BS7846 F2 / BS6387 & CWZ. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332-3).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Outside Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| 6942F1/5 | 1.5 | 7/0.53 | 2 | 295 | 12.00 | 20/16 | 0.5 |
| 6943F1/5 | 1.5 | 7/0.53 | 3 | 324 | 12.50 | 20/16 | 0.6 |
| 6944F1/5 | 1.5 | 7/0.53 | 4 | 367 | 13.30 | 20S | 0.6 |
| 6947F1/5 | 1.5 | 7/0.53 | 7 | 463 | 15.30 | 20S | 0.7 |
| 6940/12F1/5 | 1.5 | 7/0.53 | 12 | 791 | 20.00 | 25 | 0.8 |
| 6940/19F1/5 | 1.5 | 7/0.53 | 19 | 1030 | 22.90 | 25 | 1.0 |
| 6940/27F1/5 | 1.5 | 7/0.53 | 27 | 1534 | 27.90 | 32 | 1.2 |
| 6940/37F1/5 | 1.5 | 7/0.53 | 37 | 1849 | 30.70 | 32 | 1.4 |
| 6942F2/5 | 2.5 | 7/0.67 | 2 | 352 | 13.10 | 20S | 0.6 |
| 6943F2/5 | 2.5 | 7/0.67 | 3 | 392 | 13.70 | 20S | 0.6 |
| 6944F2/5 | 2.5 | 7/0.67 | 4 | 454 | 14.70 | 20S | 0.6 |
| 6947F2/5 | 2.5 | 7/0.67 | 7 | 584 | 17.00 | 20 | 0.7 |
| 6940/12F2/5 | 2.5 | 7/0.67 | 12 | 1003 | 22.50 | 25 | 0.9 |
| 6940/19F2/5 | 2.5 | 7/0.67 | 19 | 1525 | 27.00 | 32 | 1.1 |
| 6940/27F2/5 | 2.5 | 7/0.67 | 27 | 1990 | 31.60 | 32 | 1.4 |
| 6940/37F2/5 | 2.5 | 7/0.67 | 37 | 2435 | 34.80 | 40 | 1.4 |
| 6942F4 | 4 | 7/0.85 | 2 | 424 | 14.10 | 20S | 0.6 |
| 6943F4 | 4 | 7/0.85 | 3 | 478 | 14.80 | 20S | 0.6 |
| 6944F4 | 4 | 7/0.85 | 4 | 556 | 16.00 | 20 | 0.7 |
| 6945F4 | 4 | 7/0.85 | 5 | 725 | 18.12 | 20 | 0.8 |
| 6947F4 | 4 | 7/0.85 | 7 | 852 | 19.50 | 20 | 0.8 |
| 6942F6 | 6 | 7/1.04 | 2 | 504 | 15.20 | 20 | 0.7 |
| 6943F6 | 6 | 7/1.04 | 3 | 573 | 16.00 | 20 | 0.7 |
| 6944F6 | 6 | 7/1.04 | 4 | 783 | 18.20 | 20 | 0.8 |
| 6945F6 | 6 | 7/1.04 | 5 | 865 | 19.65 | 20 | 0.8 |
| 6942F10 | 10 | 7/1.35 | 2 | 620 | 16.90 | 20 | 0.7 |
| 6943F10 | 10 | 7/1.35 | 3 | 868 | 18.50 | 20 | 0.8 |
| 6944F10 | 10 | 7/1.35 | 4 | 1029 | 20.00 | 25 | 0.8 |
| 6945F10 | 10 | 7/1.35 | 5 | 1222 | 22.64 | 25 | 0.9 |
| 6942F16 | 16 | 7/1.70 | 2 | 954 | 19.50 | 25 | 0.8 |
| 6943F16 | 16 | 7/1.70 | 3 | 1136 | 20.80 | 25 | 0.9 |
| 6944F16 | 16 | 7/1.70 | 4 | 1367 | 22.50 | 25 | 0.9 |
| 6945F16 | 16 | 7/1.70 | 5 | 1812 | 26.55 | 25 | 1.1 |

Temperature limits:
-40 to +90°C.

*Bending radius:
8 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core and above - 1.5$mm^2$ - 2.5$mm^2$ - White with Black numbers.

5 core - 4$mm^2$ - 16$mm^2$ Red, Yellow, Blue, Black, Green/Yellow

1.5 & 2.5 - 2,3,4 core also available in white numbered cores to ESI 09-6.

Should not be installed at temperatures below 0°C or above 40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIREPROOF MAINS CABLES LSZH

Plain annealed stranded copper conductor, mica fire resistant tape, XLPE insulated, low smoke, zero halogen (LSZH) bedding, galvanised steel wire armour, low smoke, zero halogen (LSZH) outer sheath. Black. 600/1000 volts grade. Fire resistant to BS6387/BS7846 F2 & CWZ. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332-3).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| FP2X25 | 25 | 7/2.14 | 2 | 1100 | 21.4 | 25 | 0.9 |
| FP3X25 | 25 | 7/2.14 | 3 | 1800 | 26.6 | 32 | 1.1 |
| FP4X25 | 25 | 7/2.14 | 4 | 2150 | 28.8 | 32 | 1.2 |
| FP5X25 | 25 | 7/2.14 | 5 | 2700 | 32.0 | 32 | 1.4 |
| FP2X35 | 35 | 7/2.52 | 2 | 1550 | 24.3 | 25 | 1.0 |
| FP3X35 | 35 | 7/2.52 | 3 | 2200 | 29.1 | 32 | 1.2 |
| FP4X35 | 35 | 7/2.52 | 4 | 2650 | 31.6 | 32 | 1.4 |
| FP2X50 | 50 | 19/1.78 | 2 | 1850 | 26.8 | 32 | 1.1 |
| FP3X50 | 50 | 19/1.78 | 3 | 2450 | 29.6 | 32 | 1.2 |
| FP4X50 | 50 | 19/1.78 | 4 | 3100 | 33.2 | 40 | 1.4 |
| FP2X70 | 70 | 19/2.14 | 2 | 2450 | 30.0 | 32 | 1.4 |
| FP3X70 | 70 | 19/2.14 | 3 | 3200 | 33.3 | 40 | 1.4 |
| FP4X70 | 70 | 19/2.14 | 4 | 4400 | 38.9 | 40 | 1.6 |
| FP2X95 | 95 | 19/2.52 | 2 | 3350 | 34.1 | 40 | 1.4 |
| FP3X95 | 95 | 19/2.52 | 3 | 4450 | 38.1 | 40 | 1.6 |
| FP4X95 | 95 | 19/2.52 | 4 | 5650 | 42.9 | 50S | 1.8 |
| FP2X120 | 120 | 37/2.03 | 2 | 3900 | 37.1 | 40 | 1.6 |
| FP3X120 | 120 | 37/2.03 | 3 | 5300 | 41.5 | 50S | 1.8 |
| FP4X120 | 120 | 37/2.03 | 4 | 7250 | 48.3 | 50 | 2.0 |
| FP2X150 | 150 | 37/2.25 | 2 | 4650 | 40.3 | 50S | 1.8 |
| FP3X150 | 150 | 37/2.25 | 3 | 6700 | 46.6 | 50 | 2.0 |
| FP4X150 | 150 | 37/2.25 | 4 | 8550 | 52.6 | 50 | TC9 |
| FP2X185 | 185 | 37/2.52 | 2 | 5950 | 45.7 | 50 | 2.0 |
| FP3X185 | 185 | 37/2.52 | 3 | 8050 | 50.9 | 50 | TC9 |
| FP4X185 | 185 | 37/2.52 | 4 | 10300 | 57.8 | 63S | TC10 |
| FP2X240 | 240 | 61/2.25 | 2 | 7350 | 50.0 | 50 | TC9 |
| FP3X240 | 240 | 61/2.25 | 3 | 9950 | 56.2 | 63S | TC9 |
| FP4X240 | 240 | 61/2.25 | 4 | 12900 | 64.2 | 63 | TC11 |
| FP2X300 | 300 | 61/2.52 | 2 | 8700 | 54.5 | 63S | TC9 |
| FP3X300 | 300 | 61/2.52 | 3 | 12050 | 61.3 | 63 | TC10 |
| FP4X300 | 300 | 61/2.52 | 4 | 15550 | 70.0 | 75S | TC12 |
| FP3X400 | 400 | 61/2.85 | 3 | 14800 | 67.7 | 75S | TC11 |
| FP4X400 | 400 | 61/2.85 | 4 | 20250 | 79.3 | 90 | TC14 |

Temperature limits:
-40 to +90°C.

*Bending radius:
8 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C or above 40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIREPROOF MAINS AND CONTROL CABLES LSZH - ENHANCED

Plain annealed stranded copper conductor, mica fire resistant tape, XLPE insulated, polyester tape, low smoke zero halogen (LSZH) bedding, fire barrier tape, galvanised steel wire armour, low smoke zero halogen (LSZH) outer sheath.Black. 600/1000 grade volts. Manufactured to meet the following standards - circuit integrity: BS8519-2010 120 minutes/BS8491, acid gas emission to IEC 60754, BS EN 50267, flame propagation to IEC 60332-3, BS EN 50265, BS EN50266 and smoke emission to IEC 61034, BS EN 50268.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| FPE2X4 | 4.0 | 7/0.85 | 2 | 871 | 21.80 | 25 | 0.9 |
| FPE3X4 | 4.0 | 7/0.85 | 3 | 966 | 22.70 | 25 | 1.0 |
| FPE4X4 | 4.0 | 7/0.85 | 4 | 959 | 24.00 | 25 | 1.0 |
| FPE2X6 | 6.0 | 7/1.04 | 2 | 1001 | 23.00 | 25 | 1.0 |
| FPE3X6 | 6.0 | 7/1.04 | 3 | 1087 | 23.80 | 25 | 1.0 |
| FPE4X6 | 6.0 | 7/1.04 | 4 | 1252 | 25.20 | 25 | 1.0 |
| FPE2X10 | 10.0 | 7/1.35 | 2 | 1060 | 23.80 | 20 | 1.0 |
| FPE3X10 | 10.0 | 7/1.35 | 3 | 1180 | 24.80 | 25 | 1.0 |
| FPE4X10 | 10.0 | 7/1.35 | 4 | 1350 | 27.40 | 32 | 1.1 |
| FPE2X16 | 16.0 | 7/1.7 | 2 | 1290 | 25.90 | 25 | 1.1 |
| FPE3X16 | 16.0 | 7/1.7 | 3 | 1460 | 27.10 | 32 | 1.1 |
| FPE4X16 | 16.0 | 7/1.7 | 4 | 1690 | 28.98 | 32 | 1.2 |

Temperature limits:
- 40 to + 90°C.

*Bending radius:
8 x Overall Diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C or above 40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIREPROOF MAINS CABLES LSZH - ENHANCED

Plain annealed stranded copper conductor, mica fire resistant tape, XLPE insulated, polyester tape, low smoke zero halogen (LSZH) bedding, fire barrier tape, galvanised steel wire armour, low smoke zero halogen (LSZH) outer sheath.Black. 600/1000 grade volts. Manufactured to meet the following standards - circuit integrity: BS8519-2010 120 minutes/BS8491, acid gas emission to IEC 60754, BS EN 50267, flame propagation to IEC 60332-3, BS EN 50265, BS EN50266 and smoke emission to IEC 61034, BS EN 50268.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| FPE2X25 | 25 | 7/2.14 | 2 | 1640 | 29.00 | 32 | 1.2 |
| FPE3X25 | 25 | 7/2.14 | 3 | 2070 | 31.10 | 32 | 1.4 |
| FPE4X25 | 25 | 7/2.14 | 4 | 2410 | 33.40 | 40 | 1.6 |
| FPE2X35 | 35 | 7/2.52 | 2 | 2130 | 31.90 | 32 | 1.4 |
| FPE3X35 | 35 | 7/2.52 | 3 | 2480 | 33.50 | 40 | 1.4 |
| FPE4X35 | 35 | 7/2.52 | 4 | 2920 | 36.10 | 40 | 1.6 |
| FPE2X50 | 50 | 19/1.78 | 2 | 2030 | 29.90 | 32 | 1.2 |
| FPE3X50 | 50 | 19/1.78 | 3 | 2630 | 33.20 | 40 | 1.4 |
| FPE4X50 | 50 | 19/1.78 | 4 | 3280 | 37.10 | 40 | 1.6 |
| FPE2X70 | 70 | 19/2.14 | 2 | 2580 | 33.30 | 40 | 1.4 |
| FPE3X70 | 70 | 19/2.14 | 3 | 3400 | 37.00 | 40 | 1.6 |
| FPE4X70 | 70 | 19/2.14 | 4 | 4570 | 45.50 | 50 | 1.8 |
| FPE2X95 | 95 | 19/2.52 | 2 | 3440 | 37.20 | 40 | 1.6 |
| FPE3X95 | 95 | 19/2.52 | 3 | 4550 | 41.20 | 50S | 1.8 |
| FPE4X95 | 95 | 19/2.52 | 4 | 5720 | 46.40 | 50 | 2.0 |
| FPE2X120 | 120 | 37/2.03 | 2 | 4050 | 39.90 | 50S | 1.6 |
| FPE3X120 | 120 | 37/2.03 | 3 | 5410 | 44.40 | 50S | 1.8 |
| FPE4X120 | 120.0 | 37/2.03 | 4 | 7270 | 51.20 | 50 | TC9 |
| FPE2X150 | 150.0 | 37/2.25 | 2 | 4740 | 43.10 | 50S | 1.8 |
| FPE3X150 | 150.0 | 37/2.25 | 3 | 6800 | 49.30 | 50 | 2.0 |
| FPE4X150 | 150.0 | 37/2.25 | 4 | 8580 | 55.70 | 63S | TC9 |
| FPE2X185 | 185.0 | 37/2.52 | 2 | 6050 | 48.10 | 50 | 2.0 |
| FPE3X185 | 185.0 | 37/2.52 | 3 | 8140 | 53.70 | 63S | TC9 |
| FPE4X185 | 185.0 | 37/2.52 | 4 | 10300 | 60.80 | 63 | TC10 |
| FPE2X240 | 240.0 | 61/2.25 | 2 | 7390 | 52.40 | 50 | TC9 |
| FPE3X240 | 240.0 | 61/2.25 | 3 | 10040 | 58.80 | 63 | TC10 |
| FPE4X240 | 240.0 | 61/2.25 | 4 | 12800 | 66.50 | 75S | TC11 |
| FPE2X300 | 300.0 | 61/2.52 | 2 | 8760 | 56.50 | 63S | TC9 |
| FPE3X300 | 300.0 | 61/2.52 | 3 | 12020 | 63.50 | 63 | TC10 |
| FPE4X300 | 300.0 | 61/2.52 | 4 | 15410 | 72.10 | 75 | TC12 |
| FPE3X400 | 400.0 | 61/2.85 | 3 | 14820 | 70.10 | 75S | TC12 |
| FPE4X400 | 400.0 | 61/2.85 | 4 | 19910 | 81.30 | 90 | TC14 |

Temperature limits:
- 40 to + 90°C.

*Bending radius:
8 x Overall Diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C or above 40°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FLEXIBLE MAINS AND CONTROL CABLES HO7RN-F

Plain annealed flexible copper conductors, rubber insulated, heavy duty polychloroprene (PCP) outer sheath 450/750 volts grade. Black. Harmonised code type HO7RN-F. Flame propagation to EN 60332-1-2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Mean Overall Diameter (mm) | |
|---|---|---|---|---|---|---|
| | | | | | Lower Limit | Upper Limit |
| 3182P1 | 1.0 | 32/0.20 | 2 | 95 | 6.1 | 8.0 |
| 3183P1 | 1.0 | 32/0.20 | 3 | 115 | 6.5 | 8.5 |
| 3184P1 | 1.0 | 32/0.20 | 4 | 140 | 7.1 | 9.3 |
| 3182P1/5 | 1.5 | 30/0.25 | 2 | 132 | 7.6 | 9.8 |
| 3183P1/5 | 1.5 | 30/0.25 | 3 | 165 | 8.0 | 10.4 |
| 3184P1/5 | 1.5 | 30/0.25 | 4 | 200 | 9.0 | 11.6 |
| 3185P1/5 | 1.5 | 30/0.25 | 5 | 240 | 11.2 | 14.4 |
| 3187P1/5 | 1.5 | 30/0.25 | 7 | 385 | 14.6 | 18.2 |
| 3180/12P1/5 | 1.5 | 30/0.25 | 12 | 520 | 17.6 | 22.4 |
| 3180/19P1/5 | 1.5 | 30/0.25 | 19 | 700 | 21.0 | 26.0 |
| 3180/27P1/5 | 1.5 | 30/0.25 | 27 | 920 | 25.3 | 30.0 |
| 3180/37P1/5 | 1.5 | 30/0.25 | 37 | 1260 | 29.0 | 34.2 |
| 3182P2/5 | 2.5 | 50/0.25 | 2 | 193 | 9.0 | 11.6 |
| 3183P2/5 | 2.5 | 50/0.25 | 3 | 235 | 9.6 | 12.4 |
| 3184P2/5 | 2.5 | 50/0.25 | 4 | 290 | 10.7 | 13.8 |
| 3185P2/5 | 2.5 | 50/0.25 | 5 | 345 | 13.3 | 17.0 |
| 3187P2/5 | 2.5 | 50/0.25 | 7 | 520 | 17.2 | 21.0 |
| 3180/12P2/5 | 2.5 | 50/0.25 | 12 | 810 | 20.6 | 26.2 |
| 3181P4 | 4 | 50/0.25 | 1 | 94 | 7.2 | 9.0 |
| 3182P4 | 4.0 | 56/0.30 | 2 | 275 | 11.8 | 15.1 |
| 3183P4 | 4.0 | 56/0.30 | 3 | 320 | 12.7 | 16.2 |
| 3184P4 | 4.0 | 56/0.30 | 4 | 395 | 14.0 | 17.9 |
| 3185P4 | 4.0 | 56/0.30 | 5 | 485 | 15.6 | 19.9 |
| 3187P4 | 4 | 56/0.30 | 7 | 773 | 19.8 | 24.4 |
| 6381P6 | 6 | 84/0.30 | 1 | 130 | 7.9 | 9.8 |
| 6382P6 | 6.0 | 84/0.30 | 2 | 350 | 13.1 | 16.8 |
| 6383P6 | 6.0 | 84/0.30 | 3 | 495 | 14.1 | 18.0 |
| 6384P6 | 6.0 | 84/0.30 | 4 | 610 | 15.7 | 20.0 |
| 6385P6 | 6.0 | 84/0.30 | 5 | 760 | 17.5 | 22.9 |
| 6387P6 | 6.0 | 84/0.30 | 7 | 904 | 21.6 | 26.9 |
| 6381P10 | 10 | 80/0.40 | 1 | 230 | 9.5 | 11.9 |
| 6382P10 | 10 | 80/0.40 | 2 | 640 | 17.7 | 22.6 |
| 6383P10 | 10 | 80/0.40 | 3 | 880 | 19.1 | 24.2 |
| 6384P10 | 10 | 80/0.40 | 4 | 1060 | 20.9 | 26.5 |
| 6385P10 | 10 | 80/0.40 | 5 | 1300 | 22.9 | 29.1 |
| 6381P16 | 16 | 126/0.40 | 1 | 320 | 10.8 | 13.4 |
| 6382P16 | 16 | 126/0.40 | 2 | 850 | 20.2 | 25.7 |
| 6383P16 | 16 | 126/0.40 | 3 | 1090 | 21.8 | 27.6 |
| 6384P16 | 16 | 126/0.40 | 4 | 1345 | 23.8 | 30.1 |
| 6385P16 | 16 | 126/0.40 | 5 | 1680 | 26.4 | 33.3 |
| 6381P25 | 25 | 196/0.40 | 1 | 450 | 12.7 | 15.8 |
| 6382P25 | 25 | 196/0.40 | 2 | 1210 | 24.3 | 30.7 |
| 6383P25 | 25 | 196/0.40 | 3 | 1394 | 26.1 | 33.0 |
| 6384P25 | 25 | 196/0.40 | 4 | 1995 | 28.9 | 36.6 |
| 6385P25 | 25 | 196/0.40 | 5 | 2470 | 32.0 | 40.4 |
| 6381P35 | 35 | 276/0.40 | 1 | 605 | 14.3 | 17.9 |
| 6383P35 | 35 | 276/0.40 | 3 | 1850 | 29.3 | 37.1 |
| 6384P35 | 35 | 276/0.40 | 4 | 2645 | 32.5 | 41.1 |
| 6385P35 | 35 | 276/0.40 | 5 | 2930 | 34.0 | 43.0 |
| 6381P50 | 50 | 396/0.40 | 1 | 825 | 16.5 | 20.6 |
| 6383P50 | 50 | 396/0.40 | 3 | 2890 | 34.1 | 42.9 |
| 6384P50 | 50 | 396/0.40 | 4 | 3635 | 37.7 | 47.5 |
| 6385P50 | 50 | 396/0.40 | 5 | 4450 | 39.03 | 49.18 |

Temperature limits:
-25 to +90°C.

*Bending radius:
Static - 6 x overall diameter.
Flexing - 15 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FLEXIBLE MAINS AND CONTROL CABLES HO7RN-F

Plain annealed flexible copper conductors, rubber insulated, heavy duty polychloroprene (PCP) outer sheath 450/750 volts grade. Black. Harmonised code type HO7RN-F. Flame propagation to EN 60332-1-2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Mean Overall Diameter (mm) | |
|---|---|---|---|---|---|---|
| | | | | | Lower Limit | Upper Limit |
| 6381P70 | 70 | 360/0.50 | 1 | 1090 | 18.6 | 23.3 |
| 6383P70 | 70 | 360/0.50 | 3 | 3850 | 38.4 | 48.3 |
| 6384P70 | 70 | 360/0.50 | 4 | 4830 | 42.7 | 54.0 |
| 6385P70 | 70 | 360/0.50 | 5 | 5938 | 48.5 | 55.0 |
| 6381P95 | 95 | 475/0.50 | 1 | 1405 | 20.8 | 26.0 |
| 6383P95 | 95 | 475/0.50 | 3 | 4185 | 43.3 | 50 |
| 6384P95 | 95 | 475/0.50 | 4 | 6320 | 48.5 | 61.0 |
| 6385P95 | 95 | 475/0.50 | 5 | 6695 | 54.0 | 64.5 |
| 6381P120 | 120 | 608/0.50 | 1 | 1745 | 22.8 | 28.6 |
| 6383P120 | 120 | 608/0.50 | 3 | 5080 | 47.4 | 60.0 |
| 6384P120 | 120 | 608/0.50 | 4 | 6500 | 53.0 | 66.0 |
| 6383P120 | 120 | 608/0.50 | 3 | 5051 | 47.4 | 60.0 |
| 6384P120 | 120 | 608/0.50 | 4 | 6453 | 53.0 | 66.0 |
| 6381P150 | 150 | 756/0.50 | 1 | 1824 | 25.2 | 31.4 |
| 6383P150 | 150 | 756/0.50 | 3 | 6267 | 52.0 | 66.0 |
| 6384P150 | 150 | 756/0.50 | 4 | 8031 | 58.0 | 73.0 |
| 6381P185 | 185 | 925/0.50 | 1 | 2202 | 27.6 | 34.4 |
| 6383P185 | 185 | 925/0.50 | 3 | 7661 | 57.0 | 72.0 |
| 6384P185 | 185 | 925/0.50 | 4 | 9830 | 64.0 | 80.0 |
| 6381P240 | 240 | 1221/0.50 | 1 | 2847 | 30.6 | 38.3 |
| 6383P240 | 240 | 1221/0.50 | 3 | 9692 | 65.0 | 82.0 |
| 6384P240 | 240 | 1221/0.50 | 4 | 12444 | 72.0 | 91.0 |
| 6381P300 | 300 | 1525/0.50 | 1 | 3495 | 33.5 | 41.9 |
| 6381P400 | 400 | 2257/0.50 | 1 | 4880 | 45.5 | 56.5 |
| 6381P500 | 500 | 1769/0.60 | 1 | 5301 | 41.3 | 52.0 |
| 6381P630 | 630 | 2257/0.60 | 1 | 7460 | 45.5 | 56.5 |

Temperature limits:
-25 to +90°C.

*Bending radius:
Static - 6 x overall diameter.
Flexing - 15 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.
5 core - Red, Yellow, Blue, Black, Green/Yellow

Should not be installed at temperatures below 0°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## EEMUA133 CONTROL CABLES PVC

Plain annealed stranded copper conductors, XLPE insulated, PVC bedding, lead sheathed, PVC bedding, galvanised steel wire armour, PVC outer sheath. Cores white with black numbers. 600/1000 volts grade to BS5467 and EEMUA 133. Flame propagation to BS EN 60332-1 (IEC 60332-1), bunched cables to BS EN 50266-2-2 (IEC 60332-3-22 category A) and BS EN 50266-2-4 (IEC 60332-3-24 category C).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| EEMUA2X1/5 ESI | 1.5 | 7/0.53 | 2 | 690 | 15.0 | 20 | 0.6 |
| EEMUA3X1/5 ESI | 1.5 | 7/0.53 | 3 | 750 | 15.5 | 20 | 0.7 |
| EEMUA4X1/5 ESI | 1.5 | 7/0.53 | 4 | 810 | 16.0 | 20 | 0.7 |
| EEMUA5X1/5 | 1.5 | 7/0.53 | 5 | 895 | 16.8 | 20 | 0.7 |
| EEMUA7X1/5 | 1.5 | 7/0.53 | 7 | 1072 | 17.7 | 20 | 0.7 |
| EEMUA12X1/5 | 1.5 | 7/0.53 | 12 | 1387 | 22.3 | 25 | 0.9 |
| EEMUA19X1/5 | 1.5 | 7/0.53 | 19 | 1686 | 24.8 | 25 | 1.0 |
| EEMUA27X1/5 | 1.5 | 7/0.53 | 27 | 2418 | 30.0 | 32 | 1.2 |
| EEMUA37X1/5 | 1.5 | 7/0.53 | 37 | 2850 | 32.7 | 32 | 1.4 |
| EEMUA2X2/5 ESI | 2.5 | 7/0.67 | 2 | 800 | 16.0 | 20 | 0.7 |
| EEMUA3X2/5 ESI | 2.5 | 7/0.67 | 3 | 870 | 16.5 | 20 | 0.7 |
| EEMUA4X2/5 ESI | 2.5 | 7/0.67 | 4 | 950 | 17.5 | 20 | 0.7 |
| EEMUA5X2/5 | 2.5 | 7/0.67 | 5 | 1038 | 18.4 | 20 | 0.8 |
| EEMUA7X2/5 | 2.5 | 7/0.67 | 7 | 1180 | 20.0 | 20 | 0.8 |
| EEMUA12X2/5 | 2.5 | 7/0.67 | 12 | 1750 | 24.5 | 25 | 1.0 |
| EEMUA19X2/5 | 2.5 | 7/0.67 | 19 | 2450 | 29.0 | 32 | 1.2 |
| EEMUA27X2/5 | 2.5 | 7/0.67 | 27 | 3100 | 33.0 | 32 | 1.4 |
| EEMUA37X2/5 | 2.5 | 7/0.67 | 37 | 3720 | 36.0 | 40 | 1.6 |
| EEMUA5X4 | 4.0 | 7/0.85 | 5 | 1014 | 20.6 | 20 | 0.9 |
| EEMUA7X4 | 4.0 | 7/0.85 | 7 | 1110 | 21.5 | 25 | 0.9 |

Temperature limits:
-15 to +90°C.

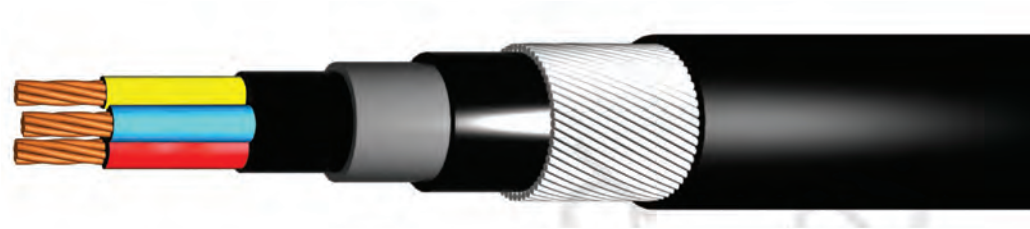
*Bending radius:
12 x overall diameter.

Core identification:
White with Black numbers.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.



## EEMUA133 MAINS CABLES PVC

Plain annealed stranded copper conductors, XLPE insulated, PVC bedding, lead sheathed, PVC bedding, galvanised steel wire armour, PVC outer sheath. Black. 600/1000 volts grade to BS5467 and EEMUA 133 (formerly OCMA 4B). Flame propagation to BS EN 60332-1 (IEC 60332-1), bunched cables to BS EN 50266-2-2 (IEC 60332-3-22 category A) and BS EN 50266-2-4 (IEC 60332-3-24 category C).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| EEMUA2X1/5 | 1.5 | 7/0.53 | 2 | 690 | 15.0 | 20 | 0.6 |
| EEMUA3X1/5 | 1.5 | 7/0.53 | 3 | 750 | 15.5 | 20 | 0.7 |
| EEMUA4X1/5 | 1.5 | 7/0.53 | 4 | 810 | 16.0 | 20 | 0.7 |
| EEMUA2X2/5 | 2.5 | 7/0.67 | 2 | 800 | 16.0 | 20 | 0.7 |
| EEMUA3X2/5 | 2.5 | 7/0.67 | 3 | 870 | 16.5 | 20 | 0.7 |
| EEMUA4X2/5 | 2.5 | 7/0.67 | 4 | 950 | 17.5 | 20 | 0.7 |
| EEMUA2X4 | 4.0 | 7/0.85 | 2 | 920 | 17.5 | 20 | 0.7 |
| EEMUA3X4 | 4.0 | 7/0.85 | 3 | 1000 | 17.5 | 20 | 0.7 |
| EEMUA4X4 | 4.0 | 7/0.85 | 4 | 1110 | 19.0 | 25 | 0.8 |
| EEMUA2X6 | 6.0 | 7/1.04 | 2 | 1020 | 18.0 | 20 | 0.8 |
| EEMUA3X6 | 6.0 | 7/1.04 | 3 | 1150 | 19.0 | 25 | 0.8 |
| EEMUA4X6 | 6.0 | 7/1.04 | 4 | 1400 | 20.5 | 25 | 0.9 |
| EEMUA2X10 | 10.0 | 7/1.35 | 2 | 1250 | 20.0 | 25 | 0.8 |
| EEMUA3X10 | 10.0 | 7/1.35 | 3 | 1530 | 22.0 | 25 | 0.9 |
| EEMUA4X10 | 10.0 | 7/1.35 | 4 | 1720 | 23.0 | 25 | 1.0 |
| EEMUA2X16 | 16.0 | 7/1.70 | 2 | 1630 | 23.0 | 25 | 1.0 |
| EEMUA3X16 | 16.0 | 7/1.70 | 3 | 1880 | 24.0 | 25 | 1.0 |
| EEMUA4X16 | 16.0 | 7/1.70 | 4 | 2150 | 26.0 | 32 | 1.1 |

Temperature limits:
-15 to +90°C.

*Bending radius:
12 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## EEMUA133 MAINS CABLES PVC

Plain annealed stranded copper conductors, XLPE insulated, PVC bedding, lead sheathed, PVC bedding, galvanised steel wire armour, PVC outer sheath. Black. 600/1000 volts grade to BS5467 and EEMUA 133 (formerly OCMA 4B). Flame propagation to BS EN 60332-1 (IEC 60332-1), bunched cables to BS EN 50266-2-2 (IEC 60332-3-22 category A) and BS EN 50266-2-4 (IEC 60332-3-24 category C).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | Gland Size (mm) | Nylon Cleat Size |
|---|---|---|---|---|---|---|---|
| EEMUA2X25 | 25 | 7/2.14 | 2 | 2094 | 27.1 | 32 | 1.1 |
| EEMUA3X25 | 25 | 7/2.14 | 3 | 2740 | 30.0 | 32 | 1.2 |
| EEMUA4X25 | 25 | 7/2.14 | 4 | 3160 | 32.0 | 32 | 1.4 |
| EEMUA2X35 | 35 | 19/1.53 | 2 | 2868 | 31.9 | 32 | 1.4 |
| EEMUA3X35 | 35 | 19/1.53 | 3 | 3205 | 32.0 | 32 | 1.4 |
| EEMUA4X35 | 35 | 19/1.53 | 4 | 3840 | 34.5 | 40 | 1.4 |
| EEMUA2X50 | 50 | 19/1.78 | 2 | 2783 | 28.1 | 32 | 1.2 |
| EEMUA3X50 | 50 | 19/1.78 | 3 | 3655 | 33.5 | 40 | 1.6 |
| EEMUA4X50 | 50 | 19/1.78 | 4 | 4530 | 37.0 | 40 | 1.6 |
| EEMUA2X70 | 70 | 19/2.14 | 2 | 3566 | 31.1 | 32 | 1.4 |
| EEMUA3X70 | 70 | 19/2.14 | 3 | 4675 | 37.5 | 40 | 1.6 |
| EEMUA4X70 | 70 | 19/2.14 | 4 | 6175 | 43.0 | 50S | 1.8 |
| EEMUA2X95 | 95 | 19/2.52 | 2 | 4678 | 35.1 | 40 | 1.4 |
| EEMUA3X95 | 95 | 19/2.52 | 3 | 6180 | 42.5 | 50S | 1.8 |
| EEMUA4X95 | 95 | 19/2.52 | 4 | 7695 | 47.0 | 50 | 2.0 |
| EEMUA2X120 | 120 | 37/2.03 | 2 | 5641 | 38.5 | 50S | 1.6 |
| EEMUA3X120 | 120 | 37/2.03 | 3 | 7390 | 46.0 | 50 | 2.0 |
| EEMUA4X120 | 120 | 37/2.03 | 4 | 9730 | 53.0 | 63S | TC9 |
| EEMUA2X150 | 150 | 37/2.25 | 2 | 6660 | 41.8 | 50S | 1.8 |
| EEMUA3X150 | 150 | 37/2.25 | 3 | 9300 | 52.0 | 50 | TC9 |
| EEMUA4X150 | 150 | 37/2.25 | 4 | 11530 | 58.5 | 63S | TC10 |
| EEMUA2X185 | 185 | 37/2.52 | 2 | 8457 | 47.1 | 50 | 2.0 |
| EEMUA3X185 | 185 | 37/2.52 | 3 | 10980 | 56.5 | 63S | TC9 |
| EEMUA4X185 | 185 | 37/2.52 | 4 | 14160 | 65.0 | 63 | TC11 |
| EEMUA2X240 | 240 | 61/2.25 | 2 | 10286 | 52.3 | 50 | TC9 |
| EEMUA3X240 | 240 | 61/2.25 | 3 | 13815 | 63.0 | 63 | TC10 |
| EEMUA4X240 | 240 | 61/2.25 | 4 | 17700 | 65.8 | 75S | TC11 |
| EEMUA2X300 | 300 | 61/2.52 | 2 | 16519 | 64.1 | 63 | TC11 |
| EEMUA3X300 | 300 | 61/2.52 | 3 | 21173 | 71.5 | 75S | TC12 |

Temperature limits:
-15 to +90°C.

*Bending radius:
12 x overall diameter.

Core identification:
2 core - Red, Black.
3 core - Red, Yellow, Blue.
4 core - Red, Yellow, Blue, Black.

Should not be installed at temperatures below 0°C or above +60°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.


## 1st Character

| | | | | | |
|---|---|---|---|---|---|
| F | Fire resistant, reduced halogen | 150/250V | M | Flame retardant, reduced halogen | 3.8/6.6kv |
| G | Fire resistant, LSF | 150/250V | N | Flame retardant, reduced halogen | 1.9/3.3kv |
| H | Flame retardant, reduced halogen | 8.7/15kv | P | Flame retardant, reduced halogen | 6.35/11kv |
| J | Flame retardant, reduced halogen | 150/250V | W | Flame retardant, LSF | 600/1000V |
| K | Flame retardant, LSF | 150/250V | X | Flame retardant, reduced halogen | 600/1000V |
| L | Flame retardant, reduced halogen | 600/1000V | Y | Flame resistant, low smoke and fume | 600/1000V |

Example given:
**GNF02**
Would be:
**G** - Fire Resistant LSF
**N** - Fire Resistant, Grey, GSWB, Coll Scr
**F** - 1 Pair
**02** - 1.5mm²

## 2nd Character

| | Basic construction | Sheath colour | Armour | Screen |
|---|---|---|---|---|
| A | Flame retardant | Black (600/1000V), Red (HV) | Bronze braid | See Note 2 |
| B | Flame retardant | Black (600/1000V), Red (HV) | GSWB | See Note 2 |
| C | Fire resistant | Black (600/1000V) | Bronze braid | See Note 2 |
| D | Fire resistant | Black (600/1000V) | GSWB | See Note 2 |
| E | Flame retardant | Green/Yellow | None | None |
| F | Flame retardant | Black | None | None |
| G | Flame retardant | Light Blue | GSWB | Collective |
| H | Flame retardant | Light Blue | GSWB | Individual |
| J | Flame retardant | Grey | GSWB | Collective |
| K | Flame retardant | Grey | GSWB | Individual |
| L | Fire resistant | Light Blue | GSWB | Collective |
| M | Fire resistant | Light Blue | GSWB | Individual |
| N | Fire resistant | Grey | GSWB | Collective |
| P | Fire resistant | Grey | GSWB | Individual |
| Y | Flame retardant | Orange | GSWB | Co-axial |

**Notes:**
**1.** Shaded entries signify non-preferred core sizes

**2.** HV Cables above 1.9/3.3Kv rating have tinned copper tape and semi-conducting insulating screen

**Common Types:**
**600/1000 v**
LB** - 658*B
EPR/CSP/GSWB/CSP
BLUE WB** - 658*D
EPR/ZH/GSWB/ZH
XD** - FS 658*B
MT/EPR/ZH/GSWB/CSP
YD** - FS 658*D
MT/EPR/ZH/GSWB/ZH

## 3rd Character

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Single Core | B | 19 Core | J | 7 Pair | S | 3 Triple |
| 2 | 2 Core | C | 27 Core | K | 12 Pair | T | 7 Triple |
| 3 | 3 Core | D | 37 Core | L | 20 Pair | U | 12 Triple |
| 4 | 4 Core | F | 1 Pair | M | 27 Pair | X | 1 Quad |
| 7 | 7 Core | H | 3 Pair | N | 37 Pair | Y | 3 Quad |
| A | 12 Core | I | 5 Pair | R | 1 Triple | Z | 7 Quad |

**150/250 v**
JG** - EPR/COL/CSP/GSWB/CSP BLUE
JJ** - EPR/COL/CSP/GSWB/CSP GREY
FG** - MT/EPR/ZH/CSP/GSWB/CSP BLUE
FJ** - MT/EPR/ZH/CSP/GSWB/CSP GREY
JH** - EPR/IND/CSP/GSWB/CSP BLUE
JK** - EPR/IND/CSP/GSWB/CSP GREY
FM** - MT/EPR/IND/ZH/GSWB/CSP BLUE
FP** - MT/EPR/IND/ZH/GSWB/CSP GREY
KG** - EPR/COL/ZH/GSWB/ZH BLUE
KJ** - EPR/COL/ZH/GSWB/ZH GREY
GL** - MT/EPR/COL/ZH/GSBW/ZH BLUE
GN** - MT/EPR/COL/ZH/GSBW/ZH GREY
KH** - EPR/IND/ZH/GSWB/ZH BLUE
KK** - EPR/IND/ZH/GSWB/ZH GREY
GM** - MT/EPR/IND/ZH/GSWB/ZH BLUE
GP** - MT/EPR/IND/ZH/GSWB/ZH GREY

## 4th Character

| | | | |
|---|---|---|---|
| 00 | 0.75 mm² Flexible (class 5) stranded tinned copper cores | 50 | 50 mm² Stranded tinned copper cores |
| 01 | 1.0 mm² Flexible (class 5) stranded tinned copper cores | 70 | 70 mm² Stranded tinned copper cores |
| 02 | 1.5 mm² Flexible (class 5) stranded tinned copper cores | 95 | 95 mm² Stranded tinned copper cores |
| 03 | 2.5 mm² Stranded tinned copper cores | OA | 120 mm² Stranded tinned copper cores |
| 04 | 4 mm² Stranded tinned copper cores | OB | 150 mm² Stranded tinned copper cores |
| 05 | 4 mm² Stranded tinned copper cores | OC | 185 mm² Stranded tinned copper cores |
| 06 | 6 mm² Stranded tinned copper cores | OD | 240 mm² Stranded tinned copper cores |
| 10 | 10 mm² Stranded tinned copper cores | OE | 300 mm² Stranded tinned copper cores |
| 16 | 16 mm² Stranded tinned copper cores | OF | 400 mm² Stranded tinned copper cores |
| 25 | 25 mm² Stranded tinned copper cores | OG | 500 mm² Stranded tinned copper cores |
| 35 | 35 mm² Stranded tinned copper cores | OH | 630 mm² Stranded tinned copper cores |

Class 5 flexible conductor applicable to instrumentation cable only

## MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, ethylene propylene rubber (EPR) insulated, low smoke, zero halogen (LSF) SW4 outer sheath. Black. 600/1000 volts grade to BS6883, IEC60332-1, IEC60332-3-22, IEC60754-1,2 and IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6571TQ1/5 | 1.5 | 7/0.53 | 1 | 49 | 5.5 | WF102 |
| 6572TQ1/5 | 1.5 | 7/0.53 | 2 | 125 | 8.9 | WF202 |
| 6573TQ1/5 | 1.5 | 7/0.53 | 3 | 150 | 9.4 | WF302 |
| 6574TQ1/5 | 1.5 | 7/0.53 | 4 | 180 | 10.3 | WF402 |
| 6575TQ1/5 | 1.5 | 7/0.53 | 5 | 190 | 11.0 | WF502 |
| 6576TQ1/5 | 1.5 | 7/0.53 | 6 | 240 | 12.2 | - |
| 6577TQ1/5 | 1.5 | 7/0.53 | 7 | 275 | 12.5 | WF702 |
| 6578TQ1/5 | 1.5 | 7/0.53 | 8 | 295 | 13.3 | - |
| 6570/10TQ1/5 | 1.5 | 7/0.53 | 10 | 360 | 16.2 | - |
| 6570/12TQ1/5 | 1.5 | 7/0.53 | 12 | 440 | 16.4 | WFA02 |
| 6570/19TQ1/5 | 1.5 | 7/0.53 | 19 | 740 | 19.3 | WFB02 |
| 6570/27TQ1/5 | 1.5 | 7/0.53 | 27 | 970 | 23.5 | WFC02 |
| 6570/30TQ1/5 | 1.5 | 7/0.53 | 30 | 1015 | 24.3 | - |
| 6570/37TQ1/5 | 1.5 | 7/0.53 | 37 | 1220 | 26.0 | WFD02 |
| 6571TQ2/5 | 2.5 | 7/0.67 | 1 | 63 | 6.0 | WF103 |
| 6572TQ2/5 | 2.5 | 7/0.67 | 2 | 160 | 9.8 | WF203 |
| 6573TQ2/5 | 2.5 | 7/0.67 | 3 | 190 | 10.4 | WF303 |
| 6574TQ2/5 | 2.5 | 7/0.67 | 4 | 240 | 11.4 | WF403 |
| 6575TQ2/5 | 2.5 | 7/0.67 | 5 | 280 | 12.6 | WF503 |
| 6576TQ2/5 | 2.5 | 7/0.67 | 6 | 470 | 16.9 | - |
| 6577TQ2/5 | 2.5 | 7/0.67 | 7 | 355 | 13.7 | WF703 |
| 6578TQ2/5 | 2.5 | 7/0.67 | 8 | 398 | 15.3 | - |
| 6570/10TQ2/5 | 2.5 | 7/0.67 | 10 | 519 | 17.7 | - |
| 6570/12TQ2/5 | 2.5 | 7/0.67 | 12 | 650 | 18.3 | WFA03 |
| 6570/19TQ2/5 | 2.5 | 7/0.67 | 19 | 860 | 21.7 | WFB03 |
| 6570/27TQ2/5 | 2.5 | 7/0.67 | 27 | 1220 | 26.3 | WFC03 |
| 6570/30TQ2/5 | 2.5 | 7/0.67 | 30 | 1270 | 27.1 | - |
| 6570/37TQ2/5 | 2.5 | 7/0.67 | 37 | 1610 | 29.5 | WFD03 |
| 6571TQ4 | 4.0 | 7/0.85 | 1 | 90 | 6.9 | WF104 |
| 6572TQ4 | 4.0 | 7/0.85 | 2 | 240 | 12.0 | WF204 |
| 6573TQ4 | 4.0 | 7/0.85 | 3 | 280 | 12.7 | WF304 |
| 6574TQ4 | 4.0 | 7/0.85 | 4 | 360 | 13.9 | WF404 |
| 6575TQ4 | 4.0 | 7/0.85 | 5 | 425 | 15.3 | WF504 |
| 6577TQ4 | 4.0 | 7/0.85 | 7 | 530 | 17.7 | WF704 |
| 6571TQ6 | 6.0 | 7/1.04 | 1 | 115 | 7.5 | WF106 |
| 6572TQ6 | 6.0 | 7/1.04 | 2 | 305 | 13.1 | WF206 |
| 6573TQ6 | 6.0 | 7/1.04 | 3 | 370 | 13.9 | WF306 |
| 6574TQ6 | 6.0 | 7/1.04 | 4 | 475 | 15.4 | WF406 |

Core identification:
White with Black numbers.

Single cores available in either Black or Green/Yellow outer sheath.

Temperature limits:
-40°C (fixed installation) to +90°C.

*Bending radius:
4 x overall diameter.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, ethylene propylene rubber (EPR) insulated, low smoke, zero halogen (LSF) SW4 outer sheath. Black. 600/1000 volts grade to BS6883, IEC60332-1, IEC60332-3-22, IEC60754-1,2 and IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6571TQ10 | 10 | 7/1.35 | 1 | 165 | 9.0 | WF110 |
| 6572TQ10 | 10 | 7/1.35 | 2 | 470 | 16.0 | WF210 |
| 6573TQ10 | 10 | 7/1.35 | 3 | 595 | 17.2 | WF310 |
| 6574TQ10 | 10 | 7/1.35 | 4 | 745 | 18.9 | WF410 |
| 6571TQ16 | 16 | 7/1.70 | 1 | 230 | 10.1 | WF116 |
| 6572TQ16 | 16 | 7/1.70 | 2 | 655 | 18.3 | WF216 |
| 6573TQ16 | 16 | 7/1.70 | 3 | 830 | 19.5 | WF316 |
| 6574TQ16 | 16 | 7/1.70 | 4 | 1045 | 21.7 | WF416 |
| 6571TQ25 | 25 | 19/1.35 | 1 | 380 | 12.4 | WF125 |
| 6572TQ25 | 25 | 19/1.35 | 2 | 1090 | 22.9 | WF225 |
| 6573TQ25 | 25 | 19/1.35 | 3 | 1340 | 24.4 | WF325 |
| 6574TQ25 | 25 | 19/1.35 | 4 | 1680 | 27.1 | WF425 |
| 6571TQ35 | 35 | 19/1.53 | 1 | 490 | 13.6 | WF135 |
| 6572TQ35 | 35 | 19/1.53 | 2 | 1310 | 25.3 | WF235 |
| 6573TQ35 | 35 | 19/1.53 | 3 | 1630 | 27.1 | WF335 |
| 6574TQ35 | 35 | 19/1.53 | 4 | 2130 | 30.1 | WF435 |
| 6571TQ50 | 50 | 19/1.78 | 1 | 640 | 15.5 | WF150 |
| 6572TQ50 | 50 | 19/1.78 | 2 | 1720 | 29.0 | WF250 |
| 6573TQ50 | 50 | 19/1.78 | 3 | 2210 | 30.9 | WF350 |
| 6574TQ50 | 50 | 19/1.78 | 4 | 2840 | 34.6 | WF450 |
| 6571TQ70 | 70 | 19/2.14 | 1 | 870 | 17.5 | WF170 |
| 6573TQ70 | 70 | 19/2.14 | 3 | 3080 | 35.3 | WF370 |
| 6574TQ70 | 70 | 19/2.14 | 4 | 3950 | 39.2 | WF470 |
| 6571TQ95 | 95 | 37/1.78 | 1 | 1150 | 19.6 | WF195 |
| 6573TQ95 | 95 | 37/1.78 | 3 | 4060 | 40.3 | WF395 |
| 6574TQ95 | 95 | 37/1.78 | 4 | 5170 | 45.1 | WF495 |
| 6571TQ120 | 120 | 37/2.03 | 1 | 1440 | 21.4 | WF10A |
| 6573TQ120 | 120 | 37/2.03 | 3 | 5130 | 44.4 | WF30A |
| 6571TQ150 | 150 | 37/2.25 | 1 | 1770 | 23.8 | WF10B |
| 6571TQ185 | 185 | 37/2.52 | 1 | 2200 | 26.3 | WF10C |
| 6571TQ240 | 240 | 61/2.25 | 1 | 2780 | 29.5 | WF10D |
| 6571TQ300 | 300 | 61/2.52 | 1 | 3450 | 32.6 | WF10E |
| 6571TQ400 | 400 | 91/2.36 | 1 | 4400 | 36.7 | WF10F |
| 6571TQ500 | 500 | 91/2.65 | 1 | 5600 | 40.5 | WF10G |
| 6571TQ630 | 630 | 127/2.52 | 1 | 6910 | 44.4 | WF10H |

Single core cables are available in Black or Green/Yellow outer sheath.

Temperature limits:
-40°C (fixed installation) to +90°C.

*Bending radius:
up to 25mm - 4 x overall diameter.
above 25mm - 6 x overall diameter.

Core identification:
White with Black numbers.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, ethylene propylene rubber (EPR) insulated, low smoke, zero halogen bedding, galvanised steel wire braid armour, low smoke, zero halogen (LSF) SW4 outer sheath. Black. 600/1000 volts grade to BS6883, IEC60332-1, IEC60332-3-22, IEC60754-1,2 and IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6582TQ1/5 | 1.5 | 7/0.53 | 2 | 300 | 13.3 | WB202 |
| 6583TQ1/5 | 1.5 | 7/0.53 | 3 | 325 | 13.8 | WB302 |
| 6584TQ1/5 | 1.5 | 7/0.53 | 4 | 395 | 15.0 | WB402 |
| 6585TQ1/5 | 1.5 | 7/0.53 | 5 | 407 | 15.2 | - |
| 6586TQ1/5 | 1.5 | 7/0.53 | 6 | 425 | 16.5 | - |
| 6587TQ1/5 | 1.5 | 7/0.53 | 7 | 525 | 17.2 | WB702 |
| 6580/12TQ1/5 | 1.5 | 7/0.53 | 12 | 790 | 21.7 | WBA02 |
| 6580/19TQ1/5 | 1.5 | 7/0.53 | 19 | 1090 | 24.7 | WBB02 |
| 6580/27TQ1/5 | 1.5 | 7/0.53 | 27 | 1515 | 29.3 | WBC02 |
| 6580/37TQ1/5 | 1.5 | 7/0.53 | 37 | 1870 | 33.2 | WBD02 |
| 6582TQ2/5 | 2.5 | 7/0.67 | 2 | 350 | 14.2 | WB203 |
| 6583TQ2/5 | 2.5 | 7/0.67 | 3 | 400 | 15.0 | WB303 |
| 6584TQ2/5 | 2.5 | 7/0.67 | 4 | 470 | 16.1 | WB403 |
| 6585TQ2/5 | 2.5 | 7/0.67 | 5 | 485 | 16.9 | WB503 |
| 6586TQ2/5 | 2.5 | 7/0.67 | 6 | 550 | 18.2 | - |
| 6587TQ2/5 | 2.5 | 7/0.67 | 7 | 635 | 18.5 | WB703 |
| 6580/12TQ2/5 | 2.5 | 7/0.67 | 12 | 990 | 23.9 | WBA03 |
| 6580/19TQ2/5 | 2.5 | 7/0.67 | 19 | 1390 | 27.6 | WBB03 |
| 6580/27TQ2/5 | 2.5 | 7/0.67 | 27 | 1990 | 33.2 | WBC03 |
| 6580/37TQ2/5 | 2.5 | 7/0.67 | 37 | 2500 | 36.7 | WBD03 |
| 6582TQ4 | 4.0 | 7/0.85 | 2 | 480 | 16.6 | WB204 |
| 6583TQ4 | 4.0 | 7/0.85 | 3 | 530 | 17.3 | WB304 |
| 6584TQ4 | 4.0 | 7/0.85 | 4 | 585 | 18.4 | WB404 |
| 6585TQ4 | 4.0 | 7/0.85 | 5 | 700 | 20.2 | WB504 |
| 6587TQ4 | 4.0 | 7/0.85 | 7 | 897 | 22.7 | WB704 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
White with Black numbers.

Should not be installed at temperatures below -15°C.

## MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, ethylene propylene rubber (EPR) insulated, low smoke, zero halogen bedding, galvanised steel wire braid armour, low smoke, zero halogen (LSF) outer sheath. Black. 600/1000 volts grade to BS6883, IEC60332-1, IEC60332-3-22, IEC60754-1,2 and IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6582TQ6 | 6 | 7/1.04 | 2 | 570 | 17.9 | WB206 |
| 6583TQ6 | 6 | 7/1.04 | 3 | 635 | 18.7 | WB306 |
| 6584TQ6 | 6 | 7/1.04 | 4 | 760 | 20.1 | WB406 |
| 6582TQ10 | 10 | 7/1.35 | 2 | 750 | 21.0 | WB210 |
| 6583TQ10 | 10 | 7/1.35 | 3 | 930 | 22.4 | WB310 |
| 6584TQ10 | 10 | 7/1.35 | 4 | 1080 | 24.0 | WB410 |
| 6582TQ16 | 16 | 7/1.70 | 2 | 1020 | 23.7 | WB216 |
| 6583TQ16 | 16 | 7/1.70 | 3 | 1190 | 24.9 | WB316 |
| 6584TQ16 | 16 | 7/1.70 | 4 | 1450 | 26.9 | WB416 |
| 6582TQ25 | 25 | 19/1.35 | 2 | 1500 | 29.0 | WB225 |
| 6583TQ25 | 25 | 19/1.35 | 3 | 1800 | 30.7 | WB325 |
| 6584TQ25 | 25 | 19/1.35 | 4 | 2500 | 33.6 | WB425 |
| 6582TQ35 | 35 | 19/1.53 | 2 | 1810 | 31.0 | WB235 |
| 6583TQ35 | 35 | 19/1.53 | 3 | 2400 | 34.0 | WB335 |
| 6584TQ35 | 35 | 19/1.53 | 4 | 2880 | 36.2 | WB435 |
| 6582TQ50 | 50 | 19/1.78 | 2 | 2510 | 36.0 | WB250 |
| 6583TQ50 | 50 | 19/1.78 | 3 | 3000 | 38.1 | WB350 |
| 6584TQ50 | 50 | 19/1.78 | 4 | 3670 | 41.0 | WB450 |
| 6582TQ70 | 70 | 19/2.14 | 2 | 2940 | 36.0 | WB270 |
| 6583TQ70 | 70 | 19/2.14 | 3 | 3980 | 42.8 | WB370 |
| 6584TQ70 | 70 | 19/2.14 | 4 | 4840 | 46.1 | WB470 |
| 6582TQ95 | 95 | 37/1.78 | 2 | 3813 | 40.9 | WB295 |
| 6583TQ95 | 95 | 37/1.78 | 3 | 5290 | 48.5 | WB395 |
| 6584TQ95 | 95 | 37/1.78 | 4 | 6310 | 52.6 | WB495 |
| 6582TQ120 | 120 | 37/2.03 | 2 | 4692 | 44.9 | WB20A |
| 6583TQ120 | 120 | 37/2.03 | 3 | 6480 | 52.9 | WB30A |
| 6584TQ120 | 120 | 37/2.03 | 4 | 7770 | 57.4 | WB40A |
| 6582TQ150 | 150 | 37/2.25 | 2 | 5634 | 48.9 | WB20B |
| 6583TQ150 | 150 | 37/2.25 | 3 | 7700 | 57.9 | WB30B |
| 6584TQ150 | 150 | 37/2.25 | 4 | 9400 | 63.1 | WB40B |
| 6583TQ185 | 185 | 37/2.52 | 3 | 9550 | 63.8 | WB30C |
| 6584TQ185 | 185 | 37/2.52 | 4 | 11520 | 69.6 | WB40C |
| 6583TQ240 | 240 | 61/2.25 | 3 | 12300 | 71.5 | WB30D |
| 6584TQ240 | 240 | 61/2.25 | 4 | 14840 | 78.3 | WB40D |
| 6583TQ300 | 300 | 61/2.52 | 3 | 14850 | 78.8 | WB30E |
| 6584TQ300 | 300 | 61/2.52 | 4 | 17938 | 84.9 | WB40E |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
White with Black numbers.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, ethylene propylene rubber (EPR) insulated, low smoke, zero halogen bedding tinned phosphor bronze braid armour, low smoke, zero halogen (LSF) SW4 outer sheath. Black. 600/1000 volts grade to IEC90092-353, IEC60331-21, IEC60332-2, IEC60332-2-22, IEC60751-2,2 and IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6591TQ6 | 6 | 7/1.04 | 1 | 245 | 11.7 | WAB06 |
| 6591TQ10 | 10 | 7/1.35 | 1 | 320 | 13.4 | WAB10 |
| 6591TQ16 | 16 | 7/1.70 | 1 | 395 | 14.5 | WAB16 |
| 6591TQ25 | 25 | 19/1.35 | 1 | 565 | 17.3 | WAB25 |
| 6591TQ35 | 35 | 19/1.53 | 1 | 740 | 18.4 | WAB35 |
| 6591TQ50 | 50 | 19/1.78 | 1 | 940 | 20.3 | WAB50 |
| 6591TQ70 | 70 | 19/2.14 | 1 | 1270 | 22.7 | WAB70 |
| 6591TQ95 | 95 | 37/1.78 | 1 | 1600 | 25.0 | WAB95 |
| 6591TQ120 | 120 | 37/2.03 | 1 | 1930 | 27.2 | WABOA |
| 6591TQ150 | 150 | 37/2.25 | 1 | 2330 | 29.5 | WABOB |
| 6591TQ185 | 185 | 37/2.52 | 1 | 3000 | 33.1 | WABOC |
| 6591TQ240 | 240 | 61/2.25 | 1 | 3710 | 36.6 | WABOD |
| 6591TQ300 | 300 | 61/2.52 | 1 | 4480 | 40.0 | WABOE |
| 6591TQ400 | 400 | 91/2.36 | 1 | 5340 | 43.9 | WABOF |
| 6591TQ500 | 500 | 91/2.65 | 1 | 6540 | 48.1 | WABOG |
| 6591TQ630 | 630 | 127/2.52 | 1 | 8000 | 52.3 | WABOH |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
White.

Should not be installed at temperatures below -15°C.

## FIRE RESISTANT, EPR INSULATED BRAIDED ARMOURED SHIPWIRING CABLE 1.5MM TO0 10MM MARINE AND OFFSHORE CABLES

Tinned annealed stranded copper conductors, MICA glass taped, ethylene propylene rubber (EPR) insulated low smoke, zero halogen (LSF) bedding, galvanised steel wire braid armour, low smoke, zero halogen (SW4) outer sheath to BS7655-2,6.Black. 600/1000 volts grade to BS7917/6883, IEC60332-1, IEC60332-3-22, IEC61034-1,2, IEC60754-1,2 and IEC60331-21

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) | UKOOA Code |
|---|---|---|---|---|---|---|
| 6582TQ1/5MGT | 1.5 | 7/0.53 | 2 | 300 | 13.3 | YD202 |
| 6583TQ1/5MGT | 1.5 | 7/0.53 | 3 | 325 | 13.8 | YD302 |
| 6584TQ1/5MGT | 1.5 | 7/0.53 | 4 | 395 | 15.0 | YD402 |
| 6587TQ1/5MGT | 1.5 | 7/0.53 | 7 | 525 | 17.2 | YD702 |
| 6580/12TQ1/5MGT | 1.5 | 7/0.53 | 12 | 790 | 21.7 | YDA02 |
| 6580/19TQ1/5MGT | 1.5 | 7/0.53 | 19 | 1090 | 24.7 | YDB02 |
| 6580/27TQ1/5 | 1.5 | 7/0.53 | 27 | 1515 | 29.3 | YDC02 |
| 6582TQ2/5MGT | 2.5 | 7/0.67 | 2 | 350 | 14.2 | YD203 |
| 6583TQ2/5MGT | 2.5 | 7/0.67 | 3 | 400 | 15.0 | YF303 |
| 6584TQ2/5MGT | 2.5 | 7/0.67 | 4 | 470 | 16.1 | YD403 |
| 6587TQ2/5MGT | 2.5 | 7/0.67 | 7 | 635 | 18.5 | YD703 |
| 6580/12TQ2/5MGT | 2.5 | 7/0.67 | 12 | 990 | 23.9 | YDA03 |
| 6580/19TQ2/5MGT | 2.5 | 7/0.67 | 19 | 1390 | 27.6 | YDB03 |
| 6580/27TQ2/5 | 2.5 | 7/0.67 | 27 | 1990 | 33.2 | YDC03 |
| 6583TQ4MGT | 4.0 | 7/0.85 | 3 | 530 | 17.3 | YD304 |
| 6584TQ4MGT | 4.0 | 7/0.85 | 4 | 585 | 18.4 | YD404 |
| 6583TQ6MGT | 6.0 | 7/1.04 | 3 | 635 | 18.7 | YD306 |
| 6584TQ6MGT | 6.0 | 7/1.04 | 4 | 760 | 20.1 | YD406 |
| 6583TQ10MGT | 10.0 | 7/1.35 | 3 | 930 | 22.4 | YD310 |
| 6584TQ10MGT | 10.0 | 7/1.35 | 4 | 1080 | 24.0 | YD410 |
| 6583TQ16MGT | 16.0 | 7/1.70 | 3 | 1190 | 24.9 | YD316 |
| 6584TQ16MGT | 16.0 | 7/1.70 | 4 | 1450 | 26.9 | YD416 |

Temperature limits:
-15 to +90°C.
-40°C fixed installation.

*Bending radius:
6 x overall diameter.

Core identification:
White with Black numbers.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## EPR INSULATED OVERALL SCREENED SHIPWIRING CABLE TO BS6883 AND UKOOA

Tinned stranded circular copper conductor to BS6360 class 2 EPR, GP4 insulation to BS7655: section 1.2 colour coded cores twisted to form a pair, triple or quad wrapped with polyester tape. Collective screened with aluminium backed polyester tape complete with tinned copper drain wire. Flame retardant halogen free bedding, PET tape and rubberised polyamide tape inner covering, galvanised steel wire braid armour, PET tape and rubberised polyamide tape over armour, flame retardant, halogen free, enhanced oil resisting thermosetting compound (LSF) SW4 outer sheath to BS7655 section 2.6. 150/250 volts grade manufactured to BS6883 and UKOOA design flame retardant to IEC60332-1 and IEC60332-3-22. Halogen free to IEC60754-1,2 and low smoke to IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Pairs | Weight (Kg/Km) | Sheath Colour | UKOOA Code |
|---|---|---|---|---|---|---|
| KJH00 | 0.75 | 24/0.2 | 3Pair | 420 | GREY | KJH00 |
| KJI00 | 0.75 | 24/0.2 | 5Pair | 562 | GREY | KJI00 |
| KJJ00 | 0.75 | 24/0.2 | 7Pair | 660 | GREY | KJJ00 |
| KJK00 | 0.75 | 24/0.2 | 12Pair | 1000 | GREY | KJK00 |
| KJL00 | 0.75 | 24/0.2 | 20Pair | 1570 | GREY | KJL00 |
| KGH00 | 0.75 | 24/0.2 | 3Pair | 420 | BLUE | KGH00 |
| KGJ00 | 0.75 | 24/0.2 | 7Pair | 660 | BLUE | KGJ00 |
| KGK00 | 0.75 | 24/0.2 | 12Pair | 1000 | BLUE | KGK00 |
| KGL00 | 0.75 | 24/0.2 | 20Pair | 1570 | BLUE | KGL00 |
| KJS00 | 0.75 | 24/0.2 | 3Triple | 510 | GREY | KJS00 |
| KGS00 | 0.75 | 24/0.2 | 3Triple | 510 | BLUE | KGS00 |
| KJT00 | 0.75 | 24/0.2 | 7Triple | 820 | GREY | KJT00 |
| KGT00 | 0.75 | 24/0.2 | 7Triple | 820 | BLUE | KGT00 |
| KJU00 | 0.75 | 24/0.2 | 12Triple | 1290 | GREY | KJU00 |
| KGU00 | 0.75 | 24/0.2 | 12Triple | 1290 | BLUE | KGU00 |
| KJU01 | 1.00 | 32/0.2 | 12Triple | 1200 | GREY | KJU01 |
| KJG02 | 1.50 | 30/0.25 | 2Pair | 400 | GREY | KJG02 |
| KJH02 | 1.50 | 30/0.25 | 3Pair | 520 | GREY | KJH02 |
| KJI02 | 1.50 | 30/0.25 | 5Pair | 760 | GREY | KJI02 |
| KJJ02 | 1.50 | 30/0.25 | 7Pair | 850 | GREY | KJJ02 |
| KJ10P02 | 1.50 | 30/0.25 | 10Pair | 1232 | GREY | KJ10P02 |
| KJK02 | 1.50 | 30/0.25 | 12Pair | 1470 | GREY | KJK02 |
| KJL02 | 1.50 | 30/0.25 | 20Pair | 2130 | GREY | KJL02 |
| KGH02 | 1.50 | 30/0.25 | 3Pair | 520 | BLUE | KGH02 |
| KGJ02 | 1.50 | 30/0.25 | 7Pair | 850 | BLUE | KGJ02 |
| KGK02 | 1.50 | 30/0.25 | 12Pair | 1470 | BLUE | KGK02 |
| KGL02 | 1.50 | 30/0.25 | 20Pair | 2130 | BLUE | KGL02 |
| KJS02 | 1.50 | 30/0.25 | 3Triple | 680 | GREY | KJS02 |
| KJT02 | 1.50 | 30/0.25 | 7Triple | 1100 | GREY | KJT02 |
| KJU02 | 1.50 | 30/0.25 | 12Triple | 1200 | GREY | KJU02 |
| KJF03 | 2.50 | 7/0.67 | 1Pair | | BLACK | KJF03 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

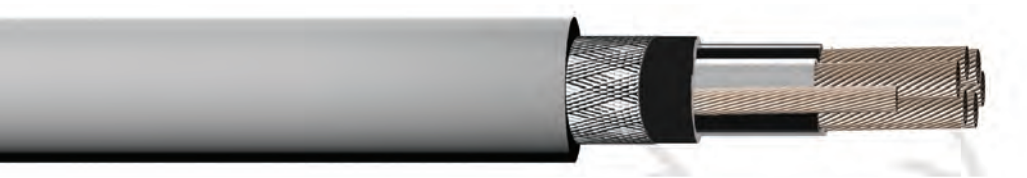
*Bending radius:
6 x overall diameter.

Core identification:
pairs - black , white numbered
triples - black, white, red numbered.
quad - black, white, red, blue numbered.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.



## EPR INSULATED INDIVIDUALLY SCREENED SHIPWIRING CABLE TO BS6883 AND UKOOA

Tinned stranded circular copper conductor to BS6360 class 2 EPR, GP4 insulation to BS7655: section 1.2 colour coded cores twisted to form a pair, triple or quad wrapped with polyester tape.Each pair individually screened with aluminium backed polyester tape complete with tinned copper drain wire. Flame retardant halogen free bedding, PET tape and rubberised polyamide tape inner covering, galvanised steel wire braid armour, PET tape and rubberised polyamide tape over armour, flame retardant, halogen free, enhanced oil resisting thermosetting compound (LSF) SW4 outer sheath to BS7655 section 2.6. 150/250 volts grade manufactured to BS6883 and UKOOA design flame retardant to IEC60332-1 and IEC60332-3-22. Halogen free to IEC60754-1,2 and low smoke to IEC61034-1,2.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Pairs | Weight (Kg/Km) | Sheath Colour | UKOOA Code |
|---|---|---|---|---|---|---|
| KKF00 | 0.75 | 24/0.2 | 1Pair | 230 | GREY | KKF00 |
| KHF00 | 0.75 | 24/0.2 | 1Pair | 230 | BLUE | KHF00 |
| KKX00 | 0.75 | 24/0.2 | 1Quad | 310 | GREY | KKX00 |
| KHX00 | 0.75 | 24/0.2 | 1Quad | 310 | BLUE | KHX00 |
| KKH00 | 0.75 | 24/0.2 | 3Pair | 430 | GREY | KKH00 |
| KKJ00 | 0.75 | 24/0.2 | 7Pair | 720 | GREY | KKJ00 |
| KKK00 | 0.75 | 24/0.2 | 12Pair | 1110 | GREY | KKK00 |
| KKL00 | 0.75 | 24/0.2 | 20Pair | 1670 | GREY | KKL00 |
| KHH00 | 0.75 | 24/0.2 | 3Pair | 430 | BLUE | KHH00 |
| KHJ00 | 0.75 | 24/0.2 | 7Pair | 720 | BLUE | KHJ00 |
| KHK00 | 0.75 | 24/0.2 | 12Pair | 1110 | BLUE | KHK00 |
| KHL00 | 0.75 | 24/0.2 | 20Pair | 1670 | BLUE | KHL00 |
| KKF01 | 1.00 | 32/0.20 | 1Pair | 240 | GREY | KKF01 |
| KHF01 | 1.00 | 32/0.20 | 1Pair | 240 | BLUE | KHF01 |
| KKR01 | 1.00 | 32/0.2 | 1Triple | 300 | GREY | KKR01 |
| KKX01 | 1.00 | 32/0.20 | 1Quad | 340 | GREY | KKX01 |
| KHX01 | 1.00 | 32/0.20 | 1Quad | 340 | BLUE | KHX01 |
| KKF02 | 1.50 | 30/0.25 | 1Pair | 290 | GREY | KKF02 |
| KKG02 | 1.50 | 30/0.25 | 2Pair | 370 | GREY | KKG02 |
| KHF02 | 1.50 | 30/0.25 | 1Pair | 290 | BLUE | KHF02 |
| KKX02 | 1.50 | 30/0.25 | 1Quad | 370 | GREY | KKX02 |
| KHX02 | 1.50 | 30/0.25 | 1Quad | 370 | BLUE | KHX02 |
| KKH02 | 1.50 | 30/0.25 | 3Pair | 560 | GREY | KKH02 |
| KKJ02 | 1.50 | 30/0.25 | 7Pair | 980 | GREY | KKJ02 |
| KKK02 | 1.50 | 30/0.25 | 12Pair | 1700 | GREY | KKK02 |
| KKL02 | 1.50 | 30/0.25 | 20Pair | 2430 | GREY | KKL02 |
| KHH02 | 1.50 | 30/0.25 | 3Pair | 560 | BLUE | KHH02 |
| KHJ02 | 1.50 | 30/0.25 | 7Pair | 980 | BLUE | KHJ02 |
| KHK02 | 1.50 | 30/0.25 | 12Pair | 1700 | BLUE | KHK02 |
| KHL02 | 1.50 | 30/0.25 | 20Pair | 2430 | BLUE | KHL02 |
| KKR02 | 1.50 | 30/0.25 | 1Triple | 330 | GREY | KKR02 |
| KKU02 | 1.50 | 30/0.25 | 12Triple | 2210 | GREY | KKU02 |
| KKF03 | 2.50 | 7/0.67 | 1Pair | 330 | GREY | KKF03 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
pairs - black , white numbered
triples - black, white, red numbered.
quad - black, white, red, blue numbered.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIRE RESISTANT, EPR INSULATED OVERALL SCREENED SHIPWIRING CABLE TO BS6883, BS7917 AND UKOOA

Tinned stranded circular copper conductor to BS6360 class 2 EPR, GP4 insulation to BS7655: section 1.2 Mica glass tape insulation, EPR, GP4 insulation to BS7655: section 1.2 colour coded cores twisted to form a pair, triple or quad wrapped with polyester tape. Collective screened with aluminium backed polyester tape complete with tinned copper drain wire. Flame retardant halogen free bedding, PET tape and rubberised polyamide tape inner covering, galvanised steel wire braid armour, PET tape and rubberised polyamide tape over armour, flame retardant, halogen free, enhanced oil resisting thermosetting compound. (LSF) SW4 outer sheath to BS7655 section 2.6. 150/250 volts grade manufactured to BS7917/BS6883 and UKOOA design flame retardant to IEC60332-1 and IEC60332-3-22. Halogen free to IEC60754-1,2 and low smoke to IEC61034-1,2. Fire resistant to IEC60331-21.

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Pairs | Weight (Kg/Km) | Sheath Colour | UKOOA Code |
|---|---|---|---|---|---|---|
| GNH00 | 0.75 | 24/0.2 | 3Pair | 450 | GREY | GNH00 |
| GNJ00 | 0.75 | 24/0.2 | 7Pair | 740 | GREY | GNJ00 |
| GNK00 | 0.75 | 24/0.2 | 12Pair | 1120 | GREY | GNK00 |
| GNL00 | 0.75 | 24/0.2 | 20Pair | 1720 | GREY | GNL00 |
| GLH00 | 0.75 | 24/0.2 | 3Pair | 450 | BLUE | GLH00 |
| GLJ00 | 0.75 | 24/0.2 | 7Pair | 740 | BLUE | GLJ00 |
| GLK00 | 0.75 | 24/0.2 | 12Pair | 1120 | BLUE | GLK00 |
| GLL00 | 0.75 | 24/0.2 | 20Pair | 1720 | BLUE | GLL00 |
| GNS00 | 0.75 | 24/0.2 | 3Triple | 550 | GREY | GNS00 |
| GNT00 | 0.75 | 24/0.2 | 7Triple | 930 | GREY | GNT00 |
| GNU00 | 0.75 | 24/0.2 | 12Triple | 1450 | GREY | GNU00 |
| GLS00 | 0.75 | 24/0.2 | 3Triple | 550 | BLUE | GLS00 |
| GLT00 | 0.75 | 24/0.2 | 7Triple | 930 | BLUE | GLT00 |
| GLU00 | 0.75 | 24/0.2 | 12Triple | 1450 | BLUE | GLU00 |
| GNH02 | 1.50 | 30/0.25 | 3Pair | 570 | GREY | GNH02 |
| GNI02 | 1.50 | 30/0.25 | 5Pair | 820 | GREY | GNI02 |
| GNJ02 | 1.50 | 30/0.25 | 7Pair | 920 | GREY | GNJ02 |
| GN(10P)02 | 1.50 | 30/0.25 | 10Pair | 1380 | GREY | GN(10P)02 |
| GNK02 | 1.50 | 30/0.25 | 12Pair | 1560 | GREY | GNK02 |
| GNL02 | 1.50 | 30/0.25 | 20Pair | 2260 | GREY | GNL02 |
| GLH02 | 1.50 | 30/0.25 | 3Pair | 570 | BLUE | GLH02 |
| GLJ02 | 1.50 | 30/0.25 | 7Pair | 920 | BLUE | GLJ02 |
| GLK02 | 1.50 | 30/0.25 | 12Pair | 1560 | BLUE | GLK02 |
| GLL02 | 1.50 | 30/0.25 | 20Pair | 2260 | BLUE | GLL02 |
| GNS02 | 1.50 | 30/0.25 | 3Triple | 690 | GREY | GNS02 |
| GNT02 | 1.50 | 30/0.25 | 7Triple | 1180 | GREY | GNT02 |
| GNU02 | 1.50 | 30/0.25 | 12Triple | 2020 | GREY | GNU02 |
| GLS02 | 1.50 | 30/0.25 | 3Triple | 690 | BLUE | GLS02 |
| GLT02 | 1.50 | 30/0.25 | 7Triple | 1180 | BLUE | GLT02 |
| GLU02 | 1.50 | 30/0.25 | 12Triple | 2020 | BLUE | GLU02 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
pairs - black , white numbered
triples - black, white, red numbered.
quad - black, white, red, blue numbered.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIRE RESISTANT, EPR INSULATED INDIVIDUALLY SCREENED SHIPWIRING CABLE TO BS6883, BS7917 AND UKOOA

Tinned stranded circular copper conductor to BS6360 class 2 Mica glass tape insulation, EPR, GP4 insulation to BS7655: section 1.2 colour coded cores twisted to form a pair, triple or quad wrapped with polyester tape.Each pair individually screened with aluminium backed polyester tape complete with tinned copper drain wire. Flame retardant halogen free bedding, PET tape and rubberised polyamide tape inner covering, galvanised steel wire braid armour, PET tape and rubberised polyamide tape over armour, flame retardant, halogen free, enhanced oil resisting thermosetting compound (LSF) SW4 outer sheath to BS7655 section 2.6. 150/250 volts grade manufactured to BS7917/BS6883 and UKOOA design flame retardant to IEC60332-1 and IEC60332-3-22. Halogen free to IEC60754-1,2 and low smoke to IEC61034-1,2. Fire resistant to IEC60331-21 IEC60331 (BS7917).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Pairs | Weight (Kg/Km) | Sheath Colour | UKOOA Code |
|---|---|---|---|---|---|---|
| GPF00 | 0.75 | 24/0.2 | 1Pair | 260 | GREY | GPF00 |
| GMF00 | 0.75 | 24/0.2 | 1Pair | 260 | BLUE | GMF00 |
| GPX00 | 0.75 | 24/0.2 | 1Quad | 330 | GREY | GPX00 |
| GMX00 | 0.75 | 24/0.2 | 1Quad | 330 | BLUE | GMX00 |
| GPH00 | 0.75 | 24/0.2 | 3Pair | 480 | GREY | GPH00 |
| GMH00 | 0.75 | 24/0.2 | 3Pair | 480 | BLUE | GMH00 |
| GPJ00 | 0.75 | 24/0.2 | 7Pair | 800 | GREY | GPJ00 |
| GMJ00 | 0.75 | 24/0.2 | 7Pair | 800 | BLUE | GMJ00 |
| GPK00 | 0.75 | 24/0.2 | 12Pair | 1240 | GREY | GPK00 |
| GMK00 | 0.75 | 24/0.2 | 12Pair | 1240 | BLUE | GMK00 |
| GPL00 | 0.75 | 24/0.2 | 20Pair | 2040 | GREY | GPL00 |
| GML00 | 0.75 | 24/0.2 | 20Pair | 2040 | BLUE | GML00 |
| GPM00 | 0.75 | 24/0.2 | 27Pair | 2330 | GREY | GPM00 |
| GMM00 | 0.75 | 24/0.2 | 27Pair | 2330 | BLUE | GMM00 |
| GPR00 | 0.75 | 24/0.2 | 1Triple | 280 | GREY | GPR00 |
| GMR00 | 0.75 | 24/0.2 | 1Triple | 280 | BLUE | GMR00 |
| GPS00 | 0.75 | 24/0.2 | 3Triple | 590 | GREY | GPS00 |
| GMS00 | 0.75 | 24/0.2 | 3Triple | 590 | BLUE | GMS00 |
| GPT00 | 0.75 | 24/0.2 | 7Triple | 990 | GREY | GPT00 |
| GMT00 | 0.75 | 24/0.2 | 7Triple | 990 | BLUE | GMT00 |
| GPU00 | 0.75 | 24/0.2 | 12Triple | 1640 | GREY | GPU00 |
| GMU00 | 0.75 | 24/0.2 | 12Triple | 1640 | BLUE | GMU00 |
| GPF01 | 1.00 | 32/0.20 | 1Pair | 270 | GREY | GPF01 |
| GMF01 | 1.00 | 32/0.20 | 1Pair | 270 | BLUE | GMF01 |
| GPX01 | 1.00 | 32/0.20 | 1Quad | 360 | GREY | GPX01 |
| GMX01 | 1.00 | 32/0.20 | 1Quad | 360 | BLUE | GMX01 |
| GPH01 | 1.00 | 32/0.20 | 3Pair | 520 | GREY | GPH01 |
| GMH01 | 1.00 | 32/0.20 | 3Pair | 520 | BLUE | GMH01 |
| GPJ01 | 1.00 | 32/0.20 | 7Pair | 920 | GREY | GPJ01 |
| GMJ01 | 1.00 | 32/0.20 | 7Pair | 920 | BLUE | GMJ01 |
| GPK01 | 1.00 | 32/0.20 | 12Pair | 1540 | GREY | GPK01 |
| GMK01 | 1.00 | 32/0.20 | 12Pair | 1540 | BLUE | GMK01 |
| GML01 | 1.00 | 32/0.20 | 20Pair | 2450 | BLUE | GML01 |
| GPL01 | 1.00 | 32/0.20 | 20Pair | 2450 | GREY | GPL01 |
| GPM01 | 1.00 | 32/0.20 | 27Pair | 2690 | GREY | GPM01 |
| GMM01 | 1.00 | 32/0.20 | 27Pair | 2690 | BLUE | GMM01 |
| GPR01 | 1.00 | 32/0.20 | 1Triple | 310 | GREY | GPR01 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
pairs - black , white numbered
triples - black, white, red numbered.
quad - black, white, red, blue numbered.

Should not be installed at temperatures below -15°C.

Table information continued on the next page...

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## FIRE RESISTANT, EPR INSULATED INDIVIDUALLY SCREENED SHIPWIRING CABLE TO BS6883, BS7917 AND UKOOA

Tinned stranded circular copper conductor to BS6360 class 2 Mica glass tape insulation, EPR, GP4 insulation to BS7655: section 1.2 colour coded cores twisted to form a pair, triple or quad wrapped with polyester tape.Each pair individually screened with aluminium backed polyester tape complete with tinned copper drain wire. Flame retardant halogen free bedding, PET tape and rubberised polyamide tape inner covering, galvanised steel wire braid armour, PET tape and rubberised polyamide tape over armour, flame retardant, halogen free, enhanced oil resisting thermosetting compound (LSF) SW4 outer sheath to BS7655 section 2.6. 150/250 volts grade manufactured to BS7917/BS6883 and UKOOA design flame retardant to IEC60332-1 and IEC60332-3-22. Halogen free to IEC60754-1,2 and low smoke to IEC61034-1,2. Fire resistant to IEC60331-21 IEC60331 (BS7917).

| CCC Code | Conductor Size ($mm^2$) | Stranding (mm) | No. Of Pairs | Weight (Kg/Km) | Sheath Colour | UKOOA Code |
|---|---|---|---|---|---|---|
| GMR01 | 1.00 | 32/0.2 | 1 Triple | 310 | BLUE | GMR01 |
| GPS01 | 1.00 | 32/0.2 | 3 Triple | 630 | GREY | GPS01 |
| GMS01 | 1.00 | 32/0.2 | 3 Triple | 630 | BLUE | GMS01 |
| GPT01 | 1.00 | 32/0.2 | 7 Triple | 1100 | GREY | GPT01 |
| GMT01 | 1.00 | 32/0.2 | 7 Triple | 1100 | BLUE | GMT01 |
| GPU01 | 1.00 | 32/0.2 | 12 Triple | 1840 | GREY | GPU01 |
| GMU01 | 1.00 | 32/0.2 | 12 Triple | 1840 | BLUE | GMU01 |
| GPF02 | 1.50 | 30/0.25 | 1 Pair | 300 | GREY | GPF02 |
| GMF02 | 1.50 | 30/0.25 | 1 Pair | 300 | BLUE | GMF02 |
| GPG02 | 1.50 | 30/0.25 | 2 Pair | 410 | GREY | GPG02 |
| GPX02 | 1.50 | 30/0.25 | 1 Quad | 410 | GREY | GPX02 |
| GMX02 | 1.50 | 30/0.25 | 1 Quad | 410 | BLUE | GMX02 |
| GPH02 | 1.50 | 30/0.25 | 3 Pair | 600 | GREY | GPH02 |
| GMH02 | 1.50 | 30/0.25 | 3 Pair | 600 | BLUE | GMH02 |
| GPJ02 | 1.50 | 30/0.25 | 7 Pair | 1030 | GREY | GPJ02 |
| GMJ02 | 1.50 | 30/0.25 | 7 Pair | 1030 | BLUE | GMJ02 |
| GPK02 | 1.50 | 30/0.25 | 12 Pair | 1750 | GREY | GPK02 |
| GMK02 | 1.50 | 30/0.25 | 12 Pair | 1750 | BLUE | GMK02 |
| GPL02 | 1.50 | 30/0.25 | 20 Pair | 2640 | GREY | GPL02 |
| GML02 | 1.50 | 30/0.25 | 20 Pair | 2640 | BLUE | GML02 |
| GNL02 | 1.50 | 30/0.25 | 20 Pair | 2640 | GREY | GNL02 |
| GPM02 | 1.50 | 30/0.25 | 27 Pair | 2970 | GREY | GPM02 |
| GMM02 | 1.50 | 30/0.25 | 27 Pair | 2970 | BLUE | GMM02 |
| GPR02 | 1.50 | 30/0.25 | 1 Triple | 330 | GREY | GPR02 |
| GMR02 | 1.50 | 30/0.25 | 1 Triple | 330 | BLUE | GMR02 |
| GPS02 | 1.50 | 30/0.25 | 3 Triple | 730 | GREY | GPS02 |
| GMS02 | 1.50 | 30/0.25 | 3 Triple | 730 | BLUE | GMS02 |
| GPT02 | 1.50 | 30/0.25 | 7 Triple | 1220 | GREY | GPT02 |
| GMT02 | 1.50 | 30/0.25 | 7 Triple | 1220 | BLUE | GMT02 |
| GPU02 | 1.50 | 30/0.25 | 12 Triple | 2150 | GREY | GPU02 |
| GMU02 | 1.50 | 30/0.25 | 12 Triple | 2150 | BLUE | GMU02 |
| GPF03 | 2.50 | 7/0.67 | 1 Pair | 340 | GREY | GPF03 |
| GMF03 | 2.50 | 7/0.67 | 1 Pair | 340 | BLUE | GMF03 |

Temperature limits:
-40°C (fixed installation)
to +90°C.

*Bending radius:
6 x overall diameter.

Core identification:
pairs - black , white numbered
triples - black, white,
red numbered.
quad - black, white, red,
blue numbered.

Should not be installed at temperatures below -15°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## RFOU POWER CABLE

Tinned stranded copper conductor to IEC 60228 class 2, ethylene propylene (EPR) insulated, halogen free mud resistant bedding, tinned copper wire braid armour, SHF zero halogen and mud resistant sheath. Black. 600/1000 volt grade to IEC 60092-353, IEC 60754-1,2 IEC 60332-3/A and IEC 61034-1,2. Mud resistant to NEK 606. Lloyds and DNV approved.

| CCC Code | Conductor Size | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) |
|---|---|---|---|---|---|
| RFOU2X1/5 | 1.50 | 7/0.53 | 2 | 317 | 14.4 |
| RFOU3X1/5 | 1.50 | 7/0.53 | 3 | 349 | 15.0 |
| RFOU4X1/5 | 1.50 | 7/0.53 | 4 | 397 | 15.9 |
| RFOU7X1/5 | 1.50 | 7/0.53 | 7 | 370 | 18.2 |
| RFOU12X1/5 | 1.50 | 7/0.53 | 12 | 545 | 23.6 |
| RFOU2X2/5 | 2.50 | 7/0.67 | 2 | 373 | 15.5 |
| RFOU3X2/5 | 2.50 | 7/0.67 | 3 | 417 | 16.1 |
| RFOU4X2/5 | 2.50 | 7/0.67 | 4 | 479 | 17.1 |
| RFOU7X2/5 | 2.50 | 7/0.67 | 7 | 657 | 19.9 |
| RFOU12X2/5 | 2.50 | 7/0.67 | 12 | 1115 | 25.5 |
| RFOU2X4 | 4.00 | 7/0.85 | 2 | 460 | 17.1 |
| RFOU3X4 | 4.00 | 7/0.85 | 3 | 521 | 17.8 |
| RFOU4X4 | 4.00 | 7/0.85 | 4 | 616 | 19.0 |
| RFOU2X6 | 6.00 | 7/1.04 | 2 | 546 | 18.3 |
| RFOU3X6 | 6.00 | 7/1.04 | 3 | 627 | 19.1 |
| RFOU4X6 | 6.00 | 7/1.04 | 4 | 616 | 20.9 |
| RFOU2X10 | 10.00 | 7/1.35 | 2 | 724 | 20.2 |
| RFOU3X10 | 10.00 | 7/1.35 | 3 | 857 | 21.1 |
| RFOU4X10 | 10.00 | 7/1.35 | 4 | 1009 | 22.5 |
| RFOU2X16 | 16.00 | 7/1.70 | 2 | 957 | 22.7 |
| RFOU3X16 | 16.00 | 7/1.70 | 3 | 1148 | 23.6 |
| RFOU4X16 | 16.00 | 7/1.70 | 4 | 1370 | 25.6 |
| RFOU3X25 | 25.00 | 19/1.35 | 3 | 1609 | 27.6 |
| RFOU4X25 | 25.0 | 19/1.35 | 4 | 1770 | 27.9 |
| RFOU3X35 | 35.00 | 19/1.53 | 3 | 2079 | 30.9 |
| RFOU4X35 | 35.0 | 19/1.53 | 4 | 2271 | 30.8 |
| *RFOUC1X2/75GY | 0.75 | 24/0.20 | 1 Pair | 206 | 11.4 |
| *RFOUC2X2X/75GY | 0.75 | 24/0.20 | 2 Pair | 413 | 17.1 |
| *RFOUC1X3X/75GY | 0.75 | 24/0.20 | 1 Triple | 223 | 11.8 |
| *RFOUC1X2X1/5GY | 1.50 | 7/0.53 | 1 Pair | 248 | 12.3 |
| *RFOUC2X2X1/5GY | 1.50 | 7/0.53 | 2 Pair | 501 | 18.7 |
| *RFOUC1X3X1/5GY | 1.50 | 7/0.53 | 1 Triple | 273 | 12.8 |

Temperature limits:
-25 to +90°C.
-40°C (fixed installation).

*Bending radius:
6 x overall diameter.

Core identification:
1 core - off white
2 cores - off white, black
3 cores - off white, black and red
4 cores - off white, black, red and blue
5 cores and above - white numbered

*Instrument cable rated at 150/250v

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

'All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## BFOU POWER CABLE

Tinned stranded copper conductor to IEC 60228 class 2, mica glass tape insulation, etheylene propylene (EPR) insulated, halogen free mud resistant bedding, tinned copper wire braid armour, SHF zero halogen and mud resistant sheath. Black. 600/1000 volt grade to IEC 60092-353, IEC 60754-1,2 IEC 60332-3/A and IEC 61034-1,2. Mud resistant to NEK 606. Lloyds and DNV approved.

| CCC Code | Conductor Size | Stranding (mm) | No. Of Cores | Weight (Kg/Km) | Overall Diameter (mm) |
|---|---|---|---|---|---|
| BFOU2X1/5 | 1.50 | 7/0.53 | 2 | 317 | 14.4 |
| BFOU3X1/5 | 1.50 | 7/0.53 | 3 | 349 | 15.0 |
| BFOU4X1/5 | 1.50 | 7/0.53 | 4 | 397 | 15.9 |
| BFOU5X1/5 | 1.50 | 7/0.53 | 5 | 496 | 16.5 |
| BFOU7X1/5 | 1.50 | 7/0.53 | 7 | 370 | 18.2 |
| BFOU12X1/5 | 1.50 | 7/0.53 | 12 | 545 | 23.6 |
| BFOU2X2/5 | 2.50 | 7/0.67 | 2 | 373 | 15.5 |
| BFOU3X2/5 | 2.50 | 7/0.67 | 3 | 417 | 16.1 |
| BFOU4X2/5 | 2.50 | 7/0.67 | 4 | 479 | 17.1 |
| BFOU5X2/5 | 2.50 | 7/0.67 | 5 | 598 | 18.5 |
| BFOU7X2/5 | 2.50 | 7/0.67 | 7 | 657 | 19.9 |
| BFOU12X2/5 | 2.50 | 7/0.67 | 12 | 1115 | 25.5 |
| BFOU2X4 | 4.00 | 7/0.85 | 2 | 460 | 17.1 |
| BFOU3X4 | 4.00 | 7/0.85 | 3 | 521 | 17.8 |
| BFOU4X4 | 4.00 | 7/0.85 | 4 | 616 | 19.0 |
| BFOU2X6 | 6.00 | 7/1.04 | 2 | 546 | 18.3 |
| BFOU3X6 | 6.00 | 7/1.04 | 3 | 627 | 19.1 |
| BFOU4X6 | 6.00 | 7/1.04 | 4 | 616 | 20.9 |
| BFOU2X10 | 10.00 | 7/1.35 | 2 | 724 | 20.2 |
| BFOU3X10 | 10.00 | 7/1.35 | 3 | 857 | 21.1 |
| BFOU4X10 | 10.00 | 7/1.35 | 4 | 1009 | 22.5 |
| BFOU2X16 | 16.00 | 7/1.70 | 2 | 957 | 22.7 |
| BFOU3X16 | 16.00 | 7/1.70 | 3 | 1148 | 23.6 |
| BFOU4X16 | 16.00 | 7/1.70 | 4 | 1370 | 25.6 |
| BFOU4X25 | 25.00 | 19/1.35 | 4 | 1770 | 27.9 |
| RFOU4X35 | 35.00 | 19/1.53 | 4 | 2271 | 30.8 |
| *BFOU1X2X/75GY | 0.75 | 24/0.20 | 1 Pair | 206 | 11.4 |
| *BFOU2X2X/75GY | 0.75 | 24/0.20 | 2 Pair | 413 | 17.1 |
| *BFOU1X3X/75GY | 0.75 | 24/0.20 | 1 Triple | 223 | 11.8 |
| *BFOU1X2X1/5GY | 1.50 | 7/0.53 | 1 Pair | 248 | 12.3 |
| *BFOU2X2X1/5GY | 1.50 | 7/0.53 | 2 Pair | 501 | 18.7 |
| *BFOU1X3X1/5GY | 1.50 | 7/0.53 | 1 Triple | 273 | 12.8 |

Temperature limits:
-25 to +90°C.
-40°C (fixed installation).

*Bending radius:
6 x overall diameter.

Core identification:
1 core - off white
2 cores - off white, black
3 cores - off white, black and red
4 cores - off white, black, red and blue
5 cores and above - white numbered

*Instrument cable rated at 150/250v

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## H07ZZ-F

This cable is manufactured with flexible copper conductor, cross linked halogen free insulation and sheathed with low smoke and corrosive gases emission. It is designed for fixed installations at inlets of mobile or portable appliances. Ideal for use in many installations which require low smoke cable such as road and rail tunnels, hospitals, airports and other public buildings. Also suitable for control rooms, port facilities and ships.

## Solar Energy Cable

Solar Energy Cable is used to interconnect solar panel arrays. They are suitable for internal and external installations and connect the solar cells to the inverter or the DC mains cable. Our range of PhotoVoltaic cable can be roof mounted or buried direct in the earth. They are halogen free, flame retardant with low smoke properties ensuring the safety of the inhabitants in the event of a fire.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



'All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## H07RN8-F

Designed for dry, damp or wet environments, in workshops with explosive atmospheres, it can be immersed in fresh water up to 100m depth and therefore it can be used as an energy supply cable for submersed pumps. It is not suitable for under-water power transmission or installation in a waterway or where it is possible that mechanical damage might occur and cause hazard. Ideally suitable for connections liable to moderate mechanical stresses, i.e. industrial or agricultural workshop apparatus, large boilers, heater plates, electric tools such as drills and disk saws, electric appliances, portable motors and generators on building sites, also suitable for fixed installations along floors or shelving on temporary job sites, for connecting structural elements in lifting apparatus, machinery, etc. Suitable for applications up to 1000 V for adequately protected fixed installations (i.e. inside pipes or equipment) as well as for rotor connections to lifting apparatus motors.

## S1BNH2-FLATFORM

This flat form cable is designed for installations that are damp or dry. It can be immersed up to 100 metres in fresh water so is ideal as an energy supply cable for submersible pumps. It is not suitable however where risk of mechanical damage may occur and cause a hazard.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## H07RN-F OIL RESISTANT

The H07RN-F oilresistant cables are designed for permanent immersion in oil. The cable can be installed in dry, damp or wet conditions. Approved to CENELEC HD22.4.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



'All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## DRINKING WATER CABLE

Manufactured with plain annealed flexible copper conductors, cross linked EPDM insulation and sheath. This cable is designed for the operation of submersed pumps used for drinking water, fishponds and swimming pools. Designed for submersible pump motor feeders, the drinking water cable can be installed at depths of 250m. WRAS approved to HD22.12.S1.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## NTSCGEWÖU

The NTSCGEWÖU cable are designed for permanent immersion in water under high mechanical stresses. The flexible cable is also used when mining, drilling and tunneling with voltage of 3.6/6kv + 6/10kv or 8.7/15kv + 12/20kv.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



'All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## (N)SHÖU-J

This cable is designed for use in open cast mining. Manufactured from flexible tinned copper conductor EPR insulated, PCP sheathed and rated at 600/1000V. The heavy duty sheath is resistant to abrasion and oils as well as being ozone resistant. Designed to have a high notch resistance and to be resistant against hot penetration.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## NSGAFÖU

NSGAFÖU is a VDE approved 1.8/3KV EPR insulated, PCP sheathed oil resistant and flame retardant power cable. Ideally suited for protection against short circuits in laying and also for inherently earth fault proof routing in buses and trains.

## NSHXAFÖ

This highly flexible halogen free rubber cable is particularly suitable for public transport and wiring control panels rated at 1.8/3KV it can be used for short circuit proof and short to ground proof installations up to 1000V.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## NSSHÖU O/J

Designed for use in dry, damp and wet conditions inside or outside. Ideal for use for heavy equipment and tools on construction sites, underground mining and other areas of extreme conditions. It is also waterproof to 100 metres so can also be used on submersed pumps.

## NSHTÖU O/J

Power and signalling cable suitable for mobile connections, approved according to VDE 0250-814: designed for high mechanical stresses (tensile strength and torsion) and harsh weather conditions, for building machinery, conveyors, abrasion and crushing. Used in winding drums for harbour cranes, container cranes, conveyors, handling machines, conveyors, loaders/unloaders machines, ship-cranes and mining & tunnelling equipment.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## (N)TSCGEWÖU

A flexible reeling cable with reduced weight and dimensions for mobile connections, designed for high mechanical stresses, for heavy duty conditions: all weather conditions, abrasion and crushing. The cable is typically used in winding drums for harbour cranes, container cranes, conveyors, handling machines, and mining & tunnelling equipment such as conveyors.

## HEPR-FG70

This highly flexible cable is HEPR insulated and has a double internal HEPR layer with a polychloroprene sheath. This makes it ideal for use on equipment where vibration is an issue as well as being suitable for high or low temperatures. Generally used for traffic lights and signalling boards on roads and motorways.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## NTSCGECECWÖU REELING CABLE

This range of specialised flexible power supply cable is primarily used for reeling drums of tunnel boring machines and general tunnel applications. They are available in various voltage ratings from 3.6/6KV up to 12/20KV and are suitable for indoor or outdoor use. Can also be manufactured with a zero halogen PUR sheath.

## (N)3GHSSYCY REELING CABLE

This cable is a special design for equipment used in harsh conditions where a medium voltage power cable and a signalling or control cable are mixed together. It is designed to be used to power equipment used in digging road or rail tunnels or even subways where a complex electrical supply is required.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.

## UG7OG7K

UG70 Cable is designed for use in signalling and control along railway lines or stations for voltages 450/750. Also available with a steel tape armour for equipment where vibration is an issue.

## FG7(O)R

Available as a single core and multicore for power and signalling. With a fire retardant and low toxic emission sheath it is ideal for use in areas of high fire risk where its necessary to guarantee the safety of people. Used for indoor or outdoor power, control and signalling in fixed installations. Can be used in dry or wet environments.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.



'All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.





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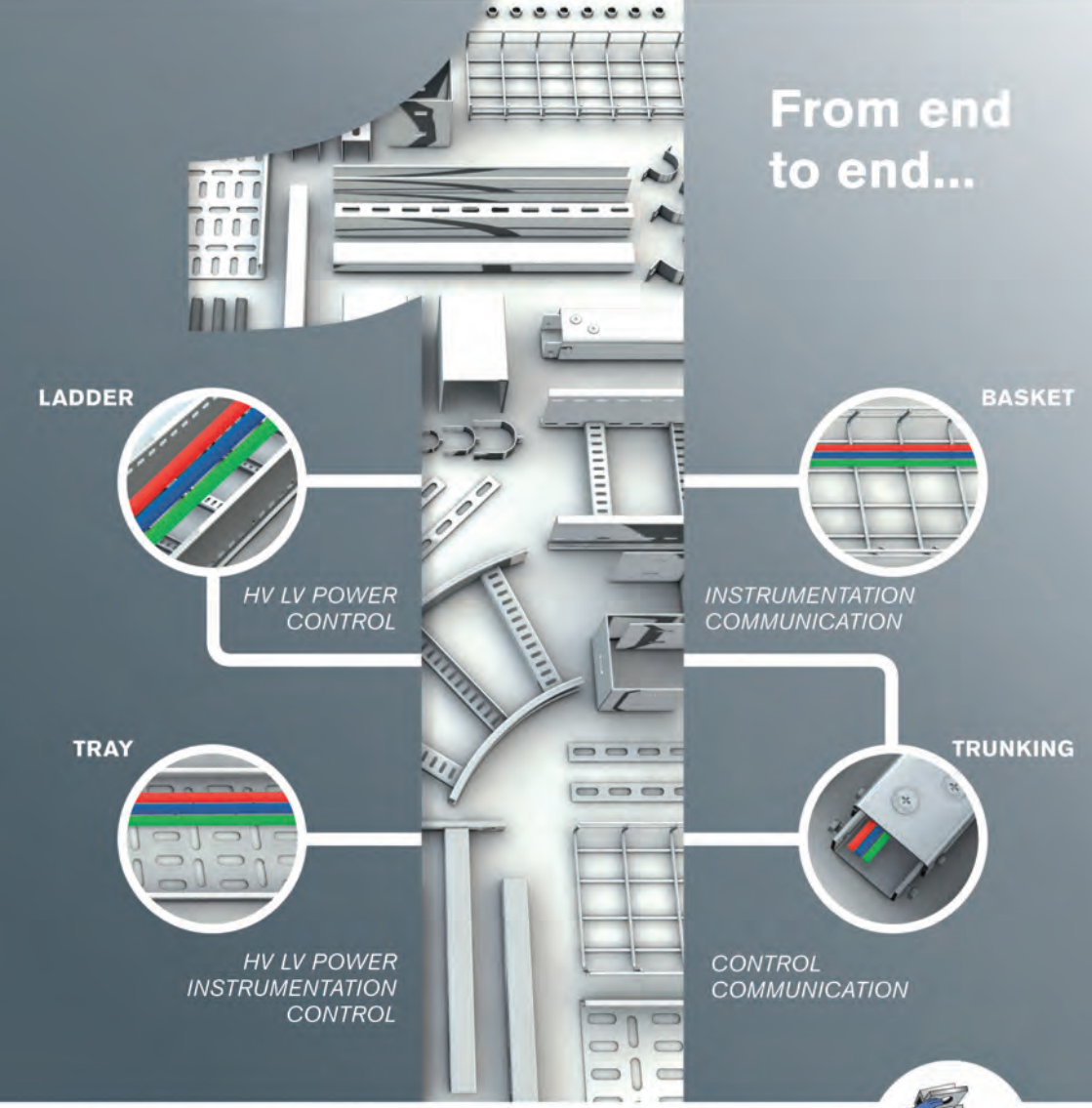


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