



Description:

Used as interconnecting cable for measuring, controlling or regulation in control equipment for assembly and production lines, conveyors and for computer units. Suitable for fixed installations or for flexible use in conditions of light mechanical stress. Can be used outdoors when protected, and in dry or moist conditions indoors.

Standards

Generally to BS6500, VDE0250

Conductor

Class 5 flexible plain copper conductors to BS EN 60228:2005 (previously BS6360), VDE0295

Insulation

PVC (Polyvinyl Chloride) Type YI2

Sheath

PVC (Polyvinyl Chloride) Type YM2

Sheath Colour

Grey

Voltage Rating

300/500V

Temperature Rating

Fixed: -35°C to + 70°C
Flexing: -5°C to + 70°C

Minimum Bending Radius

10 x overall diameter

Core Identification

Black with White numbers (3 cores and above includes Green/Yellow)
Coloured cores available

Dimensions:

| Order code | No. of cores x nominal cross sectional area # x mm ² | Nominal overall diameter mm | Nominal weight kg/Km | FCGCXT Gland |
|---|---|-----------------------------|----------------------|--------------|
| YY Control flexible cable - 2 cores | | | | |
| 02-1000 | 2 x 0.75 | 5.1 | 39 | -/20S |
| 02-1004 | 2 x 1.00 | 5.3 | 49 | -/20S |
| 02-1010 | 2 x 1.50 | 6.2 | 61 | -/20S |
| YY Control flexible cable - 3 cores | | | | |
| 02-0750 | 3 x 0.75 | 5.4 | 50 | -/20S |
| YY Control flexible cable - 4 cores | | | | |
| 02-0758 | 4 x 0.75 | 5.9 | 59 | -/20S |
| 02-0760 | 4 x 1.00 | 6.5 | 69 | -/20S |
| 02-0762 | 4 x 1.50 | 7.4 | 92 | -/20 |
| 02-1017 | 4 x 2.50 | 8.5 | 248 | 20S/20 |
| YY Control flexible cable - 5 cores | | | | |
| 02-1001 | 5 x 0.75 | 6.7 | 68 | -/20S |
| 02-1006 | 5 x 1.00 | 6.9 | 83 | -/20S |
| YY Control flexible cable - 7 cores | | | | |
| 02-0772 | 7 x 0.75 | 7.1 | 90 | -/20 |
| YY Control flexible cable - 12 cores | | | | |
| 02-1002 | 12 x 0.75 | 9.4 | 146 | 20S/20 |
| 02-1013 | 12 x 1.50 | 11.6 | 237 | 20/20 |
| YY Control flexible cable - 18 cores | | | | |
| 02-1085 | 18 x 0.75 | 11.1 | 211 | 20S/20 |

Conductors:

Class 5 flexible copper conductors for single core and multi-core cables.

| 1 | 2 | 3 |
|--|---|---|
| Nominal cross sectional area mm ² | Maximum diameter of wires in conductor mm | Maximum resistance of conductor at 20°C plain wires ohms/Km |
| 0.75 | 0.21 | 26.0000 |
| 1.00 | 0.21 | 19.5000 |
| 1.50 | 0.26 | 13.3000 |
| 2.50 | 0.26 | 7.9800 |

Table in accordance with BS EN 60228:2005 (previously BS6360)

Electrical characteristics:

Current carrying capacity (amperes) at 30°C.

| Nominal cross sectional area mm ² | Current rating Amps |
|--|---------------------|
| 0.75 | 12 |
| 1.00 | 0.15 |
| 1.50 | 18 |
| 2.50 | 26 |

De-rating factors:

Multi-conductor cables with cross sectional area up to 10mm².

| Number of cores | De-rating factor |
|-----------------|------------------|
| 2 | |
| 3 | |
| 4 | |
| 5 | 0.75 |
| 7 | 0.65 |
| 12 | |
| 18 | |