

Single Core Cable: XLPE Insulated, PVC Sheathed (Unarmoured)



▶ **APPLICATION**

These cables are intended for surface wiring where there is little risk of mechanical damage and for laying into trunking or conduit etc., are suitable for use in electrical installations such as power and lighting.

▶ **CONSTRUCTION**

- Reference : IEC:60502-1
- Conductor : Stranded plain copper conductor class 2 to BS6360/IEC60228
- Insulation : XLPE
- Sheath : PVC Sheathed

▶ **STANDARD COLOURS**

- Cores : Brown or Blue
- Sheath : Black. Other colours available on request

▶ **PACKAGING**

All sizes can be supplied in non-returnable wooden drums of 500m/1000m

▶ **TECHNICAL DATA**

- Max. Operating Temperature : 90°C
- Rated Voltage : 600/1000V
- Standards : BS7889, IEC60502-1



| Nominal Cross-Section Area (mm ²) | Copper Conductor | | | Radial Thickness of Insulation (mm) | Radial Thickness of Sheath (mm) | Approx. Overall Diameter (mm) | Approx. Nett Weight (kg/km) | Approx. Current Carrying Capacity (A) |
|---|-------------------|-------------------------|--------------------------------|-------------------------------------|---------------------------------|-------------------------------|-----------------------------|---------------------------------------|
| | Number of Strands | Diameter of Strand (mm) | Max. Resistance at 20°C (Ω/km) | | | | | |
| 50.0 | 19 | 1.83 | 0.387 | 1.00 | 1.40 | 14.00 | 541 | 134 |
| 70.0 | 19 | 2.17 | 0.268 | 1.10 | 1.40 | 15.85 | 749 | 171 |
| 95.0 | 19 | 2.52 | 0.193 | 1.10 | 1.50 | 17.80 | 1000 | 207 |
| 120.0 | 37 | 2.04 | 0.153 | 1.20 | 1.50 | 19.80 | 1241 | 239 |
| 150.0 | 37 | 2.27 | 0.124 | 1.40 | 1.60 | 22.00 | 1523 | 262 |
| 185.0 | 37 | 2.52 | 0.0991 | 1.60 | 1.60 | 24.70 | 1942 | 296 |
| 240.0 | 37 | 2.87 | 0.0754 | 1.70 | 1.70 | 27.70 | 2514 | 346 |
| 300.0 | 61 | 2.50 | 0.0601 | 1.80 | 1.80 | 30.60 | 3125 | 394 |
| 400.0 | 61 | 2.89 | 0.0470 | 2.00 | 1.90 | 34.20 | 3967 | 467 |
| 500.0 | 91 | 2.64 | 0.0366 | 2.20 | 2.00 | 38.00 | 5063 | 533 |
| 630.0 | 91 | 2.97 | 0.0283 | 2.40 | 2.20 | 42.90 | 6491 | 611 |