

| <u>Description</u> | <u>Unit</u> | <u>4 core x 35 mm²</u> |
|---|-----------------|-----------------------------------|
| 1. General | | Power cable |
| Rated voltage, U ₀ /U (U _m) | kV | 0.6/1.0 (1.2) |
| Type of cable | | CU/XLPE/SWA/PVC |
| Ref. standard | | BS 5467 |
| No. of core | no. | 4 |
| Nom. Cross sectional area | mm ² | 35 |
| Max operating temperature | deg.c | 90 |
| 2. Construction | | |
| 2.1 Conductor | | |
| Material | | Annealed plain Copper |
| Class (IEC 60228) | | Class-2 |
| Shape of Conductor | | Shaped |
| No./Diameter of strands | nos/mm | 7/2.65 |
| 2.2 Insulation | | |
| Material | | XLPE |
| Core colour/identification | | Red, Yellow, Blue & Black |
| Thickness, Nom | mm | 0.9 |
| 2.3 Bedding | | |
| Material | | PVC |
| Colour of bedding | | Black |
| Thickness of bedding | mm | 1.0 |
| 2.4 Armouring | | |
| Material | | Galvanized steel wire |
| Armour wire diameter | mm | 1.60 |
| 2.5 Outer sheath | | |
| Material | | PVC |
| Colour of sheath | | Black |
| Thickness of Sheath, Nom | mm | 1.8 |
| Overall approx diameter of cable | mm | 28.5 |
| Weight of cable, approx | kg/km | 2330 |
| 3. Electrical parameters | | |
| DC Resistance of conductor at 20°C, max | Ω/km | 0.524 |
| AC Resistance of conductor at 90°C | Ω/km | 0.668 |
| Short circuit current rating for 1 second | KA | 5.01 |
| 4. Packing | | |
| Standard packing | | Wooden drum |
| Standard drum length & tolerance | m | 1000±5% |
| Note: All values are nominal unless otherwise specified. | | |

