

Split Concentric Cable

Application: Split concentric cables are largely used by Distribution Network Operators (DNO) for providing final service connection to customer properties. Other applications include sub main connections within high rise buildings and street light systems. The cables are designed for indoor and outdoor use and may be buried directly in the ground.

Technical Data:



| | | |
|---|----------------------------|--|
| 1 | Conductor | Plained annealed stranded copper complying with EN 60228, Class 2 |
| 2 | Insulation | Type TI 1 PVC complying with BS EN 60363-3:2007 |
| 3 | Neutral Conductor | EN 60228 Class 1 |
| 4 | Neutral Insulation | Blue Polymeric Compound |
| 5 | Earth Continuity Conductor | Bare Plain Wire to EN 60228 Class 1 |
| 6 | String Separator | Non Hydrscopic string separator with same diameters as earth continuity |
| 7 | Binder | Overlapped synthetic binder material |
| 8 | Sheath | Extruded layer of black PVC material conforming to the requirements for TM 1 specified in BS EN 50363-4-1:2005 |

| | |
|--|----------------|
| Voltage Rating | 600/1000V |
| Conductor Operating Temperature | -15°C to +70°C |
| Short Circuit Temperature | 160°C |

| Phase Conductor Nominal Area (mm ²) | Approx. Overall Diameter (mm) | Cleat Size | Gland Size | Concentric Conductors Number and App. Diameter of Wires (kg/Km) | | Maximum DC Conductor Resistance per Km of Cable at 20°C | | |
|---|-------------------------------|------------|------------|---|-----------------------|---|-------------|--------------------------------|
| | | | | Neutral (mm) | Earth Continuity (mm) | Phase (Ω) | Neutral (Ω) | Earth Continuity Conductor (Ω) |
| 16 | 15.2 | 6 | 25 | 7/1.70 | 4/2.25 | 1.150 | 1.20 | 1.20 |
| 25 | 18.1 | 8 | 25 | 11/1.70 | 4/2.25 | 0.727 | 0.76 | 1.20 |
| 35 | 22.7 | 9 | 32 | 15/1.70 | 6/2.25 | 0.524 | 0.55 | 0.76 |

The information contained within this datasheet is for guidance only. Please note the actual cable dimensions may vary due to manufacturing tolerance.