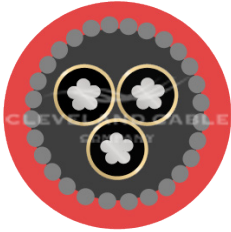


BS 6622 3 CORE ALUMINIUM PVC 11KV MAINS CABLE



APPLICATION

The 11KV 3 core Aluminium mains power cable is most suitable for power networks, underground, outdoors and in cable ducting.

Please note: the red outer sheath can be prone to fading when exposed to UV rays.

CABLE STANDARDS

BS6622

IEC 60502

Flame Propagation: BS EN 60332

CONSTRUCTION

Conductor: Plain stranded aluminium conductors

Insulation: Cross Linked Polyethylene (XLPE)

Tape: Semi-conducting tape insulated

Screen: Each core copper tape screened

Bedding: PVC bedding (extruded)

Armouring: Galvanised steel wire armour

Sheath: PVC outer sheath

CHARACTERISTICS

Voltage Rating: 6350/11000 Volts

Temperature Limits: -15°C to +90°C

Minimum Bending Radius:

As per cable manufacturer datasheet

CORE IDENTIFICATION

3 Core: ■ Brown ■ Black ■ Grey Tapes

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

BS 6622 3 CORE ALUMINIUM PVC 11KV MAINS CABLE - DIMENSIONS

| CCC CODE | CONDUCTOR SIZE (MM ²) | STRANDING (MM) | NO. OF CORES | WEIGHT (KG/KM) | APPROX 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 |

BS 6622 3 CORE ALUMINIUM PVC 11KV – ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA (MM ²) | CONTINUOUS CURRENT RATING | | | MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C |
|-------------------------------------------------|---------------------------|---------------|-------------|-----------------------------------------|
| | IN GROUND AMPS | IN DUCTS AMPS | IN AIR AMPS | PLAIN WIRES OHMS/KM |
| 95 | 204 | 180 | 238 | 0.193 |
| 120 | 232 | 206 | 274 | 0.153 |
| 150 | 259 | 231 | 309 | 0.124 |
| 185 | 293 | 262 | 354 | 0.0991 |
| 240 | 338 | 304 | 415 | 0.0754 |
| 300 | 380 | 343 | 472 | 0.0601 |

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.