



Application

BS 6622 11kV cable is designed for use in fixed outdoor installations for medium-voltage power distribution networks. It is typically installed in urban distribution systems, utility networks, infrastructure projects, and industrial plants where reliable and continuous power supply is required. The cable is suitable for installation by direct burial underground, in cable ducts, and on cable trays. It is engineered to withstand the mechanical stresses associated with installation and normal service conditions, providing dependable electrical performance in a wide range of environmental conditions.

Construction

Conductors

Circular Stranded Compacted Annealed Copper (Class 2)

Conductor Insulation

Extruded Thermosetting Semi-conducting Compound

Insulation

XLPE

Insulation Screen

Extruded Thermosetting Semi-conducting Compound (Strippable)

Metallic screen

Copper Tape Screen

Filling

Polypropylene Filler

Tape

Binder Tape

Inner Sheath

PVC

Armour

Steel Wire Armour

Tape Binder

Tape

Outer Sheath

PVC (RED)

Standards

BS EN 60228, BS 6622

Technical Characteristics

Voltage rating 6.35/11 (12)kV

Conductor Operating Temp. 90 °C

Max. short-circuit temperature 250°C

Min. bending radius 15xOD



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The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover
- 20% of global copper production



Conductor size / Number of Cores	Rated Current (laid in Air) *	Rated Current (laid in Duct) *	Rated Current (laid in Ground) *	Nominal Cable Diameter mm	Minimum Bending Radius	Approximate Cable Weight kg/km
3x70	271	221	275	54.7	15xOD	5650
3x95	326	264	327	58.2	15xOD	6615
3x185	480	381	466	68.7	15xOD	10,105
3x240	561	440	534	75.4	15xOD	12,785
3x300	635	494	595	81.2	15xOD	15,140

This datasheet is for guidance only. While we believe the information is accurate at the time of publication, it is subject to manufacturing tolerances.