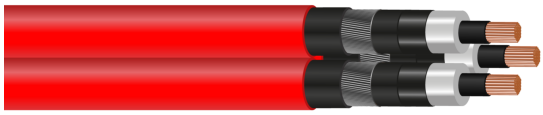
BS7870 Triplex Copper Power Cable 11kV - 11kV, XLPE, MDPE - 300mm²



Description

Copper MDPE Triplex 6.35/11 (12)kV cable is a medium voltage utility power cable constructed with Class 2 rigid stranded circular compacted plain copper conductors, cross-linked polyethylene (XLPE) insulation, a metal screen of concentric copper wires with helical tape, and a robust red medium density polyethylene (MDPE) outer sheath twisted together in a triplex formation. This highly durable cable is designed for use in utility power distribution, substation connections, renewable energy infrastructure, and underground direct burial or ducting systems.

The cables are manufactured to BS 7870-4.10 for distribution network operator polymeric insulated cables, alongside material quality benchmarks BS EN/IEC 60228 for rigid conductor properties. Featuring a standard rated voltage of 6.35/11kV, this cable provides dependable and safe power distribution for medium voltage electrical networks and utility infrastructure.

The cable should be installed with a minimum bending radius of 15 times the overall cable diameter during handling and routing. It is designed to operate within a core temperature range of 0°C to +90°C.

Key Features

Voltage Rating
6.35kV / 11kV (12kV)

Minimum Bending Radius
15 x Overall Diameter

Temperature Limits
Conductor Maximum Operating Temperature: +90°C
Maximum Short Circuit Temperature: +250°C

Core Colours

Single Core Triplex

Brown | Black | Grey Tapes

Standards

- BS 7870-4.10
- BS EN/IEC 60228

Construction

- **Conductor**: Class 2 Copper Conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi-Conductive material
- **Water Blocking**: Semi-Conductive Water Blocking Tape
- **Metallic Screen**: Copper Wires plus Copper tape
- **Water Blocking**: Non Conductive Water Blocking Tape
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **Sheath Colour**: Red

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

BS7870 Triplex Copper Power Cable 11kV - 11kV, XLPE, MDPE - 300mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
11KVTRIP3X300CU	300	3	1200	80.40	10774

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.