BS7870 Triplex Aluminium Power Cable 11kV - STR AL, XLPE, MDPE - 70mm² to 300mm²



Description

Medium voltage stranded aluminium power cable for connections from electrical grid to sub-main developments. Suitable for power networks, underground, outdoors and installation in cable ducting.

Key Features

Voltage Rating
11000V

Minimum Bending Radius
12 x Overall Diameter

Temperature Limits
Temperature Range: -15°C to +90°C

Core Colours

Brown | Black | Grey tapes

Standards

- BS7870 4-10
- BS EN 60228

Construction

- **Conductor**: Stranded Aluminium Conductors
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Metallic Screen**: Copper Wires plus Copper tape
- **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
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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 Aluminium Power Cable 11kV - STR AL, XLPE, MDPE - 70mm² to 300mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Nominal Conductor Diameter	Diameter in Triplex Formation	Conductor Type	Overall Diameter(mm)	Weight(Kg/Km)
11KVTRIP3X95AL	95	3	12.16	12.16	57.83	STRANDED	57.83	2901
11KVTRIP3X185AL	185	3	0	15.8	72.5	STRANDED	72.5	4060
11KVTRIP3X300AL	300	3	0	20.5	81.4	STRANDED	81.4	5360

TRIPLEX CABLE 11KV – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C	MAXIMUM AC RESISTANCE OF CONDUCTOR AT 90°C	REACTANCE AT 50HZ	CAPACITANCE	1 SECOND SHORT CIRCUIT RATING OF CONDUCTOR	1 SECOND SHORT CIRCUIT RATING OF METALLIC SCREEN
(MM^2)	(OHMS/KM)	(OHMS/KM)	(OHMS/KM)	(µF/KM)	(kA)	(kA)
95	0.32	0.411	0.12	0.32	8.9	5.3
185	0.164	0.211	0.11	0.41	17.4	10.3
300	0.1	0.13	0.13	0.5	28.3	10.3

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