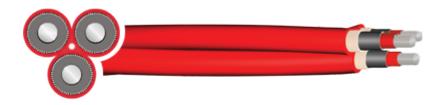


BS7870 Triplex Aluminium Power Cable 11kV - XLPE, MDPE - 70mm to 300mm



Medium voltage 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



Installation Guidelines

Should not be installed at temperatures below 0°C



Voltage Rating

11000V



Minimum Bending Radius

As Per Manufacturers Datasheet



Temperature Limits

Ambient Temperature: -15°C to + 90°C

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

Standards

BS7870 4.10, UV Stabilised

Core Colours



BS7870 Triplex Aluminium Power Cable 11kV - XLPE, MDPE - 70mm to 300mm - 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)
11KVTRIP3X95 AL	95	3	12.16	12.16	57.83	STRANDED	57.83	2901
11KVTRIP3X18 5AL	185	3	0	15.8	72.5	STRANDED	72.5	4060
11KVTRIP3X30 0AL	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
(M M 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

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.

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