



TRIPLEX CABLE 11KV AND 33KV



APPLICATION

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.

CABLE STANDARDS

BS7870 4.10

UV STABILISED

CONSTRUCTION

Conductor: Stranded Aluminium Conductors

Insulation: Cross Link Polyethylene (XLPE)

Metallic Screen: Copper Wires plus copper tape

Sheath: Medium Density Polyethylene (MDPE)

Sheath Colour: Red

CHARACTERISTICS

Voltage Rating: 11000 or 33000 Volts
- refer to table

Temperature Limits: -15°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

Triplex: **Brown Black Grey** Tapes

Should not be installed at temperatures below 0°C

For more information contact:
01642 241 133



TRIPLEX CABLE 11KV AND 33KV - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	CONDUCTOR TYPE	STRANDING (MM)	MAXIMUM VOLTAGE RATING	WEIGHT (KG/KM)	APPROX OVERALL DIAMETER
11KVTRIP3X95AL	95	STRANDED	12.16	11KV	2901	57.83
11KVTRIP3X185AL	185	STRANDED	15.8	11KV	4060	72.5
11KVTRIP3X300AL	300	STRANDED	20.5	11KV	5360	81.4
33KVTRIP3X95AL	95	STRANDED	38	33KV	4080	82.08
33KVTRIP3X185AL	185	STRANDED	43	33KV	5244	92.88

TRIPLEX CABLE 11KV AND 33KV - CURRENT CARRYING CAPACITY

MAX VOLTAGE RATING	NOMINAL CROSS SECTIONAL AREA (MM ²)	CONTINUOUS CURRENT RATING		
		IN GROUND AMPS	IN DUCTS AMPS	IN AIR AMPS
11KV	95	250	230	280
11KV	185	360	331	425
11KV	300	475	437	580

TRIPLEX CABLE 11KV AND 33KV - ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM	MAXIMUM AC RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM	REACTANCE AT 50HZ OHMS/KM	CAPACITANCE (MF/KM)	1 SECOND SHORT CIRCUIT RATING OF CONDUCTOR KA	1 SECOND SHORT CIRCUIT RATING OF METALLIC SCREEN KA
95	0.320	0.411	0.056	0.381	9.2	7.1
185	0.164	0.211	0.054	0.488	17.9	12.9
300	0.100	0.130	0.053	0.594	28.8	12.9

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