NGED Approved MDPE Triplex 6.35/11 (12)kV Cable

CHARACTERISTICS

Voltage Rating
6.35/11 (12)kV

CONSTRUCTION

Conductor
Class 1 Round solid aluminium

Conductor Screen
Extruded fully bonded semi-conducting compound

Insulation
XLPE (Cross-Linked Polyethylene)

Insulation Screen
Extruded fully bonded semi-conducting compound

Longitudinal Water Blocking
Semi-conducting water blocking tape

Screen
Copper wires plus copper tape

Longitudinal Water Blocking
Water blocking tape o

Sheath
MDPE (Medium Density Polyethylene)

Sheath Colour
● Red

STANDARDS

BS 7870-4.10 , NGED / WPD EE SPEC 82/3

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND CODE	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL IDIAMETER OVER INSULATION mm	NOMINAL CROSS SECTIONAL AREA OF METALLIC SCREEN mm²	NOMINAL OUTER DIAMETER OF SINGLE CORE CABLE mm	NOMINAL OUTER DIAMETER OVER TRIPLEX FORMATION mm	NOMINAL WEIGHT kg/km
D027013RD000	3x1	95	19.0	35	28	60	2840
D027016RD000	3x1	185	23.0	35	32	69	3820
D027018RD000	3x1	300	27.0	35	37	79	4980

ELECTRICAL CHARACTERISTICS

MAXIMUM DC RESISTANCE @20°C Ohm/km	MAXIMUM AC RESISTANCE @90°C Ohm/km	REACTANCE 50Hz Ohm/km	MUTUAL CAPACITANCE µF/km	CONTINUOUS CURRENT RATING IN GROUND A
0.320	0.411	0.114	0.33	250
0.164	0.211	0.103	0.43	360
0.100	0.130	0.096	0.52	475

Laying conditions at trefoil formation:
Soil thermal resistivity: 1.2 Km/Watt
Laying depth: 0.8m
Ground temperature: 15°C

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