

# 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<sup>®</sup>

AN ISO/IEC 17025 AND IECCE 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](http://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<sup>®</sup>.



## DIMENSIONS

ELAND CODE	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL CROSS SECTIONAL AREA OF METALLIC SCREEN mm <sup>2</sup>	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

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.