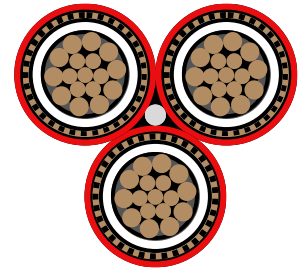




# NGED Approved Copper MDPE Triplex - 6.35/11 (12)kV

Triplex Cable



## DESCRIPTION

**Conductor:** Round stranded compacted watertight copper, **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, **Sheath:** MDPE (Medium Density Polyethylene) - colour RED.

## APPLICATION

Copper power cables designed for medium voltage distribution networks, compliant with the specifications of NGED.

## TECHNICAL DATA

**Voltage Rating (Uo/U):** 6.35/11 (12)kV

**Standards/Approvals:** BS 7870-4.10  
NGED / WPD EE SPEC 82/3

TDS 1 OF 2



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DIMENSIONS						
NO. OF CORES	NOMINAL CROSS SECTIONAL AREA	NOMINAL DIAMETER OVER INSULATION	NOMINAL CROSS SECTIONAL AREA OF METALLIC SCREEN	NOMINAL OUTER DIAMETER OF SINGLE CORE CABLE	NOMINAL OUTER DIAMETER OVER TRIPLEX FORMATION	NOMINAL WEIGHT
	mm <sup>2</sup>	mm <sup>2</sup>	mm	Kg/Km	mm	Kg/Km
3x1 (Triplex)	300	28.2	35	39	82	10800

ALL FIGURES QUOTED ARE APPROXIMATE

ELECTRICAL CHARACTERISTICS					
NOMINAL CROSS SECTIONAL AREA	MAX. DC RES. OF CONDUCTOR AT 20°C	MAX. AC RES. OF CONDUCTOR AT 90°C	REACTANCE AT 50HZ	MUTUAL CAPACITANCE	CONTINUOUS CURRENT RATING IN GROUND
mm <sup>2</sup>	Ω/Km	Ω/Km	Ω/Km	μf/Km	A
300	0.0601	0.079	0.096	0.52	600

ALL FIGURES QUOTED ARE APPROXIMATE

LAYING CONDITIONS AT TREFOIL FORMATION		
GROUND TEMP.	LAYING DEPTH	THERMAL RESISTANCE OF SOIL
15°C	0.8m	1.2 Km/Watt

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

**TDS 2 OF 2**

Head Office (Bolton): • Tel: +44 (0) 1942 840 200 • E-Mail: sales@cable-world.co.uk

London Branch: • Tel: +44 (0) 203 960 9389 • E-Mail: sales.london@cable-world.co.uk



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