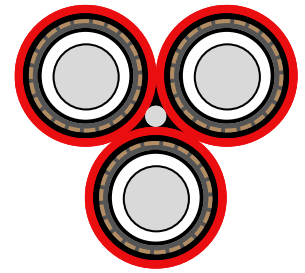




# NGED Approved MDPE Triplex - 6.35/11 (12)kV

Triplex Cable



## DESCRIPTION

**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) - colour RED.

## APPLICATION

Aluminium 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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## Triplex Cable

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)	95	19.0	35	28	60	2840
3x1 (Triplex)	185	23.0	35	32	69	3820
3x1 (Triplex)	300	27.0	35	37	79	4980

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
95	0.320	0.411	0.114	0.33	250
185	0.164	0.211	0.103	0.43	360
300	0.100	0.130	0.096	0.52	475

ALL FIGURES QUOTED ARE APPROXIMATE

CURRENT RATING CONDITIONS		
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**

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