



Al/XLPE/CWS/MDPE 6,35/11 (12) kV

Triplex medium voltage cable with XLPE insulation and MDPE sheath

APPLICATION

Triplex medium voltage cable with aluminum conductor, XLPE insulation and PE outer sheath, suitable for outdoor and indoor installation, in air, in grounds, and in cable ducts.

CONSTRUCTION

Round solid aluminium conductor (RE) according to EN 60228
 Extruded semiconductive cross-linked compound (XLPE-based) conductor screen
 Cross-linked Polyethylene (XLPE) insulation
 Extruded semiconductive cross-linked compound (XLPE-based) insulation screen
 Semiconductive water swelling tape
 Metallic screen of copper wires with counter helix of copper tape
 Water swelling tape
 Polyester separator tape
 Polyethylene (MD PE) outer sheath, red

Outer Sheath Colour:

● Red

Other colours available on request

TECHNICAL CHARACTERISTICS

Voltage rating (U_0/U): 6,35/11 kV
 Maximum system voltage (U_m): 12 kV
 Impulse test voltage: 95 kV
 Minimum installation temperature: 0 °C
 Cable formation: 3 × single core (triplex)
 Maximum conductor operating temperature: 90 °C
 Maximum short-circuit temperature (≤ 5 s): 250 °C
 Minimum bending radius: 15 × D (D = overall cable diameter)

CERTIFICATION



Nominal cross-sectional area Conductor/Screen	Conductor shape	Maximum conductor DC resistance at 20 °C	Nominal conductor diameter	Minimum thickness semi-conductive layer		Nominal insulation thickness	Minimum sheath thickness
				Conductor screen	Insulation screen		
mm ²		Ω/km	mm	mm	mm	mm	mm
3x1x300/35	RE	0,100	19,5	0,3	0,3	3,4	2,1

Nominal cross-sectional area Conductor/Screen	Current-carrying capacity in air	Current-carrying capacity in ground	Approximate overall diameter of triplex cable	Approximate cable weight
mm ²	A	A	mm	kg/km
3x1x300/35	450	360	77,5	5140

