Single Core AL 11kV cable

AL MV11 1C 25^ CUT PVC

Contact
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Nexans Ref.: XJHA17CX001CXAA
Country Ref.: 1086

25 mm2 Compacted Al conductor, TR-XLPE insulation (with semiconductive screens), Cu tape screen, PVC sheath (BK). 6.35/11 kV Made to IEC 60502.2

DESCRIPTION

General Construction:

- **Conductor:**Aluminium multistrand compacted (Class 2)
- **Conductor Screen:**Semi-conductive XLPE conductor screen
- **Insulation:**TR-XLPE
- **Insulation Screen:**Semi-conductive XLPE insulation screen
- **Metallic Screen:** Copper Tape
- **Sheath:**PVC sheath.

Cable Type:Medium Voltage

STANDARDS

International IEC 60502-2

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CHARACTERISTICS

Construction characteristics	
Conductor material	Stranded aluminum
Type of conductor	Stranded compacted
Insulation	TR-XLPE
Screen	Copper tape, helically
Inner sheath	
Outer sheath	PVC
Dimensional characteristics	
Conductor cross-section	25 mm²
Conductor diameter	6.02 mm
Diameter over insulation	13.7 mm
Diameter over screen	15.3 mm
Number of screen wires (nb x mm Ø)	Cu Tape
Screen section	3.7 mm²
Nominal overall diameter	34.4
Approximate weight	41.3 kg/100m
Number of cores	1
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.727 Ohm/km
Resistance of the screen	Ohm/km
Permissible short circuit current conductor 1s	2.4 kA
Permissible short circuit current screen 1s	2.29 kA
Capacitance (All Main Cores - Screen)	0.215 µF / km
Reactance at 50 Hz	0.137 Ohm/km
Mechanical characteristics	
Maximum Pull Tension of Conductor	1 kN
Usage characteristics	
Minimum Bend Radius - During Installation (under Tension)	350 mm
Minimum Bend Radius - Installed	230 mm