

XLPE Cable, PVC sheathed, Single Core Copper SDI

XLP 1X95 PC XLPPVC

Nexans Ref.: BDBC22AA001CXNA

EAN 13: 9319215277287

95mm² XLPE / PVC SDI Black

DESCRIPTION

- Single core, 0.6/1kV X-90 insulated,
- PVC sheathed to AS/NZS 5000.1,
- Copper 90°C.

Mains; Submains



STANDARDS

National AS/NZS 1125; AS/
NZS 5000.1



Conductor flexibility
Class 2



Rated Voltage Uo/U (Um)
0.6/1 kV



Cable flexibility
Rigid

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics

Colour	Black
	Class 2
	Copper
Conductor shape	Circular
Insulation	X-90
Outer sheath	PVC
Type of conductor	Compressed copper
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Approximate weight	101.0 kg/100m
Cable length	- m
Conductor cross-section	95 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal insulation thickness	1.1 mm
Nominal outer sheath thickness	1.5 mm
Nominal overall diameter	17.2 mm
Number of cores	1

Electrical characteristics










Conductor AC resistance at 50 Hz	0.327 Ohm/km
Inductive reactance at 50Hz - flat touching	0.104 Ohm/km
Inductive reactance at 50Hz - trefoil	0.089 Ohm/km
Insulation resistance at 20°C	220 MOhm.km
Max. DC resistance of the conductor at 20°C	0.193 Ohm/km
Rated Voltage U ₀ /U (U _m)	0.6/1 kV

Mechanical characteristics

Cable flexibility	Rigid
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XLPE/PVC SINGLE CORE - CURRENT CARRYING CAPACITY TABLE SINGLE PHASE (IN AMPS)

Copper Conductor Insulation XLPE Maximum Conductor Temperature 90C

[mm ²]	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al
95	361	280	338	262	278	216	255	198	204	158	-	-	375	291	285	221	309	239
	Unenclosed spaced					Unenclosed spaced from surface					Unenclosed touching							
	Enclosed conduit in air					Thermal insulation, partially surrounded by thermal insulation					Thermal Insulation, completely surrounded by thermal insulation							
	Buried direct					Underground ducts A - Underground Wiring Enclosure					Underground ducts B - Individual Wiring Enclosure							


















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XLPE/PVC SINGLE CORE - CURRENT CARRYING CAPACITY TABLE THREE PHASE (IN AMPS)

Copper Conductor Insulation XLPE Maximum Conductor Temperature 90C

Conductor cross-section [mm²]																		
	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al		
95	350	271	298	232	278	216	220	171	176	137	-	-	313	243	244	190	276	214
 Unenclosed spaced	 Unenclosed spaced from surface						 Unenclosed touching											
 Enclosed conduit in air	 Thermal insulation, partially surrounded by thermal insulation						 Thermal Insulation, completely surrounded by thermal insulation											
 Buried direct	 Underground ducts A - Underground Wiring Enclosure						 Underground ducts B - Individual Wiring Enclosure											