

XLPE/PVC Single Core Copper SDI

XLP 1X120 PC XLPPVC

Contact

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Nexans Ref.: BDBP23AA001CXNA

Country Ref.: BDBP23AA001CXNA

EAN 13: 9319215277294

120mm² XLPE / PVC SDI Black

DESCRIPTION

Single core XLPE SDI Cable

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

Generated 29/6/24 www.nexans.com.au Page 1 / 3

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CHARACTERISTICS

Construction characteristics

Colour	Black
Conductor material	Copper
Type of conductor	Compressed copper
Conductor shape	Circular
Conductor flexibility	Class 2
Insulation	X-90
Outer sheath	PVC

Dimensional characteristics

Approximate weight	123.0 kg/100m
Cable length	- m
Conductor cross-section	120 mm ²
Nominal insulation thickness	1.2 mm
Nominal outer sheath thickness	1.5 mm
Nominal overall diameter	19.6 mm
Number of cores	1

Electrical characteristics

Conductor AC resistance at 50 Hz	0.188 Ohm/km
Inductive reactance at 50Hz - flat touching	0.1 Ohm/km
Inductive reactance at 50Hz - trefoil	0.084 Ohm/km
Insulation resistance at 20°C	210 MOhm.km
Max. DC resistance of the conductor at 20°C	0.153 Ohm/km
Rated Voltage U _o /U (U _m)	0,6/1 kV

Mechanical characteristics

Cable flexibility	Rigid
Maximum Pull Tension of Conductor	8 kN
Maximum Pulling Tension	2.4 kN

Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	120 mm
Minimum Bend Radius - Installed	78 mm

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
















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
















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

Copper or Aluminium Conductor XLPE Insulation Maximum Conductor Temperature 90C

Conductor cross-section [mm ²]																		
	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al		
120	422	328	393	305	325	253	292	226	233	181	-	-	427	332	325	252	358	278
 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											

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

Copper or Aluminium Conductor XLPE Insulation Maximum Conductor Temperature 90C

Conductor cross-section [mm ²]																		
	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al		
120	410	318	349	271	325	253	261	203	209	162	-	-	356	277	284	221	320	248
 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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