AL Neutral Screened Cables single core

AL NSCRN XL 1X 95^ BK 3.2

Contact
Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: BDGH21PX001CXRD
Country Ref.: 1369

Al conductors, XLPE insulation, Laid up, Cu neutral screen, Black PVC sheath. 0.6/1 kV. Made to AS/NZS 4961.

DESCRIPTION

Application

- Industrial, commerical and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment shed, e.g. switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.

STANDARDS

National AS/NZS 4961

Conductor flexibility
Class 2

Rated Voltage Uo/U (Um)
0.6/ 1 (1.2) kV

Cable flexibility
Rigid

Max.conductor temp.in service
90 °C

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	
Pilot wires	None
Type of conductor	Circular compacted
Sheath colour	Black
Conductor material	Aluminum
Insulation	XLPE
Screen	Copper wire
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red
With Green/Yellow core	No
With smaller neutral conductor	No
Dimensional characteristics	
Conductor cross-section	95 mm²
Nominal overall diameter	23.9 mm
Nominal overall diameter	-
Approximate weight	1.15 kg/m
Neutral conductor section (when smaller)	- mm²
Number of cores	1
Electrical characteristics	
Max. DC resistance of the conductor at 20°C (Ohm/km)	0.32
Permissible short circuit current conductor 1s	- kA
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	90 °C

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CURRENT CARRYING CAPACITIES(IN AMPS) - SINGLE CORE AL NEUTRAL SCREEN SINGLE PHASE

Aluminium conductor Circular compacted Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section					
[mm²]	Al	Al	Al	Al	Al
95	283	263	213	299	231

Air Spaced from Surface, Unenclosed

Air touching, unenclosed

Air enclosed

Buried direct

Buried in single-way duct

Note
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The values in this table are for typical New Zealand installation conditions of:

- Ambient Air Temperature 30°C
- Soil Temperature 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m

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