XLPE Neutral Screened Cables

CU NSCRN XL 4X 70

Contact
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Nexans Ref.: HEGV20PX004CXEM
Country Ref.: 5203

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

DESCRIPTION

Application

- Industrial, commercial 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
- Cable can be buried direct in NZ (3.2 mm sheath).

STANDARDS

National AS/NZS 4961

Conductor flexibility	Rated Voltage Uo/U (Um)	Cable flexibility	Max.conductor temp.in service	U.V resistance
Class 2	**0.6/ 1 (1.2) kV**	**Rigid**	**90 °C**	**Yes**

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
Conductor material	Copper
Insulation	XLPE
Screen	Copper wire
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red, White, Blue, Black
Sheath colour	Black
Type of conductor	Sector-shaped, stranded
With Green/Yellow core	No
With smaller neutral conductor	No
Dimensional characteristics	
Number of cores	4
Conductor cross-section	70 mm²
Nominal overall diameter	37.1 mm
Approximate weight	3.85 kg/m
Gland Size (A2 or A2F)	50S
Gland Size (CX/Z)	40
Neutral conductor section (when smaller)	- mm²
Nominal outer sheath thickness	- mm
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.268 Ohm/km
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
U.V resistance	Yes

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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CONDUCTOR XLPE NEUTRAL

Copper conductor Shaped stranded except 25 mm² which is compact stranded for XLPE Neutral Screen, three core Circular stranded for Three core plus pilot Shaped stranded except 16 mm² circular stranded and 25 mm² Compact stranded for four core Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section						
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu
70	252	234	190	269	207	-

Air Spaced from Surface, Unenclosed

Air touching, unenclosed

Air enclosed

Buried direct

Buried in single-way duct

Cable surrounded by thermal insulation, unenclosed

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