

XLPE Neutral Screened Cables

CU NSCRN XL 3X 35 3.2

Contact

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Nexans Ref.: FEGV18PX003CXRJ

Country Ref.: 3281

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

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CHARACTERISTICS

Construction characteristics

Pilot wires	None
Conductor material	Copper
Insulation	XLPE
Screen	Copper wire
Outer sheath	PVC
Core identification	Red, White Blue
Sheath colour	Black
Type of conductor	Sector-shaped, stranded
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	3
Conductor cross-section	35 mm ²
Nominal overall diameter	26.1 mm
Approximate weight	1.72 kg/m
Gland Size (A2 or A2F)	40
Gland Size (CX/Z)	32
Neutral conductor section (when smaller)	- mm ²
Nominal outer sheath thickness	- mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	0.524 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U ₀ /U (U _m)	0.6/ 1 (1.2) kV













Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CONDUCTOR XLPE NEUTRAL

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
35	162	151	125	184	139	76
 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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