

# PVC Neutral Screened Cables

CU NSCRN 3X 6 3.2

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

**Nexans Ref.:** FAGP11PX003CXRJ

**Country Ref.:** 8500

Cu conductors, PVC insulation, 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, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



## STANDARDS

**National AS/NZS 4961**

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## CHARACTERISTICS

### Construction characteristics

Pilot wires	None
Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Screen	Copper wire
Outer sheath	PVC
Colour	-
Core identification	Red, White Blue
With Green/Yellow core	No
With smaller neutral conductor	No

### Dimensional characteristics

Number of cores	3
Conductor cross-section	6 mm <sup>2</sup>
Nominal overall diameter	19.3 mm
Nominal overall diameter	-
Gland Size (A2 or A2F)	32
Gland Size (CX/Z)	25
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.56 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV

### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics

Max. conductor temperature in service	75 °C
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## CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CORE PVC NEUTRAL

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm <sup>2</sup> ]						
	Cu	Cu	Cu	Cu	Cu	Cu
6	46	42	38	46	46	22
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed		 Buried direct		
 Buried in single-way duct		 Cable surrounded by thermal insulation, unenclosed				