PVC Neutral Screened Cables

CU NSCRN 3X 4 3.2

Contact
General Sales
Phone: 0508 NEXANS
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Nexans ref.: FAGP09PX003CXRJ
Country ref.: 2895

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
With Green/Yellow core	No
With smaller neutral conductor	No
Core identification	Red, White Blue
Dimensional characteristics	
Number of cores	3
Conductor cross-section	4 mm²
Nominal overall diameter	18.1 mm
Gland Size (A2 or A2F)	32
Gland Size (CX/Z)	20
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.47 kg/m
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	4.61 Ohm/km
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	75 °C

CORE COLOURS

No. of Cores	Colour
1	RD
1 (Plus Pilot)	RD, OG
2	RD, WH
2 (Plus Pilot)	RD, WH, OG
3	RD, WH, BU
4	RD, WH, BU, BK

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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 [mm²]	Cu	Cu	Cu	Cu	Cu	Cu
2.5	26	25	23	28	28	13
4	35	33	29	36	36	17
6	46	42	38	46	46	22
10	62	58	50	61	61	29
16	82	78	66	106	80	39


Air Spaced from Surface, Unenclosed


Air touching, unenclosed


Air enclosed


Buried direct


Buried in single-way duct


Cable surrounded by thermal insulation, unenclosed