PVC Neutral Screened Cables single core and two cores

CU NSCRN 1X 16 3.2 500M

Contact
Sales and Customer Solutions
Phone: 0800 639 267
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Nexans Ref.: BAGP15PX501CXRD
Country Ref.: 3358.5

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

Conductor flexibility
Class 2

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

Cable flexibility
Rigid

Max.conductor temp.in service
75 °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
Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Screen	Copper wire
Outer sheath	PVC
Colour	-
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red
With Green/Yellow core	No
With smaller neutral conductor	No
Dimensional characteristics	
Number of cores	1
Conductor cross-section	16 mm²
Nominal overall diameter	15.9 mm
Nominal overall diameter	-
Gland Size (A2 or A2F)	25
Gland Size (CX/Z)	20
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.51 kg/m
Neutral conductor section (when smaller)	- mm²
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	1.15 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	75 °C

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

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

Conductor cross-section [mm²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
16	97	91	78	125	95	46

 Air Spaced from Surface, Unenclosed

 Air touching, unenclosed

 Air enclosed

 Buried direct

 Buried in single-way duct

 Cable surrounded by thermal insulation, unenclosed

INSULATION COLOURS

No. Cores	Insulation Colour
1	Red
1 (plus pilot)	Red, Orange Pilot
2	Red, White
2 (plus pilot)	Red, White, Orange Pilot

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