

PVC Neutral Screened Cables single core and two cores

CU NSCRN 1X 10 3.2

Contact

Sales and Customer Solutions
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Nexans Ref.: BAGP13PX001CXRD

Country Ref.: 2850

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	10 mm ²
Nominal overall diameter	14.2 mm
Nominal overall diameter	-
Gland Size (A2 or A2F)	25
Gland Size (CX/Z)	20S
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.38 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.83 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	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
10	73	68	59	73	73	34
 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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