

PVC Neutral Screened Cables single core and two cores

CU NSCRN 1X 10 3.2

Contact

General Sales inquiries
Phone: 0508 NEXANS
sales.nz@nexans.com

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



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



Cable flexibility
Rigid



Max. conductor temp. in service
75 °C

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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
Core identification	Red
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	1
Conductor cross-section	10 mm ²
Nominal overall diameter	14.2 mm
Gland Size (A2 or A2F)	25
Gland Size (CX/Z)	20S
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.38 kg/m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.83 Ohm/km
Rated Voltage U ₀ /U (Um)	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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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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
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


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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 [mm ²]						
	Cu	Cu	Cu	Cu	Cu	Cu
4	42	39	34	43	43	19
6	52	50	44	55	55	25
10	73	68	59	73	73	34
16	97	91	78	125	95	46
25	129	122	103	162	123	60
35	158	149	128	196	150	74
50	194	181	152	232	178	-

 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed
 Buried direct	 Buried in single-way duct	 Cable surrounded by thermal insulation, unenclosed