PVC Neutral Screened Cables

CU NSCRN 3X 4 3.2

Contact General Sales

Phone: 0508 NEXANS sales.nz@nexans.com

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

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.





PVC Neutral Screened Cables

CU NSCRN 3X 4 3.2

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

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	

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

Max. conductor temperature in service



75 °C

PVC Neutral Screened Cables

CU NSCRN 3X 4 3.2

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

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									
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 Spaced from Surface, Unenclosed Puriod direct Ruriod in single way duct Cable surrounded by thermal	Conductor cross-section	⊗	⊗	®	SSE				
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 Spaced from Surface, Unenclosed Air touching, unenclosed Cable surrounded by thermal	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu		
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 Spaced from Surface, Unenclosed Puriod direct Cable surrounded by thermal	2.5	26	25	23	28	28	13		
10 62 58 50 61 61 29 16 82 78 66 106 80 39 Air Spaced from Surface, Unenclosed Air touching, unenclosed Air enclosed Cable surrounded by thermal	4	35	33	29	36	36	17		
16 82 78 66 106 80 39 Air Spaced from Surface, Unenclosed Air louching, unenclosed Air enclosed Cable surrounded by thermal	6	46	42	38	46	46	22		
Air Spaced from Surface, Unenclosed Air touching, unenclosed Air enclosed Cable surrounded by thermal	10	62	58	50	61	61	29		
Unenclosed When the control of the	16	82	78	66	106	80	39		
Buried direct Buried in single-way duct Cable surrounded by thermal insulation, unenclosed		⊗ Air	Air touching, unenclosed			Air enclosed			
	Buried direct	Buried in single-way duct			Cable surrounded by thermal insulation, unenclosed				





