PVC Neutral Screened Cables

CU NSCRN 3X 6 3.2

Contact

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

Nexans ref.: FAGP11PX003CXRJ

Country ref.: 8500

Cu conductors, PVC insulation, Cu wire neutral screen, Black PVC sheath. 0.6/1 kV.

Made to AS/NZS 4961.

DESCRIPTION

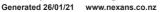
Application

- 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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75 °C

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 | 6 mm² |
| Nominal overall diameter | 19.3 mm |
| Gland Size (A2 or A2F) | 32 |
| Gland Size (CX/Z) | 25 |
| Nominal outer sheath thickness | 3.2 mm |
| Approximate weight | 0.56 kg/m |
| Electrical characteristics | |
| Max. DC resistance of the conductor at 20°C | 3.08 Ohm/km |
| Rated Voltage Uo/U (Um) | 0.6/ 1 (1.2) kV |
| Mechanical characteristics | |
| Cable flexibility | Rigid |
| Jsage 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



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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 | Air touching, unenclosed | | | Air enclosed | | | |
| Buried direct | Buried in single-way duct | | | Cable surrounded by thermal insulation, unenclosed | | | | |



