XLPE Neutral Screened Cables

CU NSCRN XL 3X 25^ 3.2

Contact General Sales

Phone: 0508 NEXANS sales.nz@nexans.com

Nexans ref.: FEGC16PX003CXRJ

Country ref.: 8090

Cu conductors, XLPE insulation, Laid up, Cu wire neutral screen, Black PVC sheath.

0.6/1 kV. Made to AS/NZS 4961.

DESCRIPTION

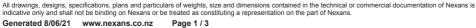
Application

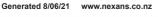
- · Industrial, commercial and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment, shed, e.g. switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc
- Cable can be buried direct in NZ (3.2 mm sheath).



STANDARDS

National AS/NZS 4961







XLPE Neutral Screened Cables

CU NSCRN XL 3X 25[^] 3.2

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

CHARACTERISTICS

| Construction characteristics | |
|---|-----------------------------|
| Pilot wires | None |
| Conductor material | Copper |
| Insulation | XLPE |
| Screen | Copper wire |
| Outer sheath | PVC |
| Sheath colour | Black |
| With Green/Yellow core | No |
| Type of conductor | Circular compacted stranded |
| With smaller neutral conductor | No |
| Core identification | Red, White Blue |
| Dimensional characteristics | |
| Number of cores | 3 |
| Conductor cross-section | 25 mm² |
| Nominal overall diameter | 25.4 mm |
| Approximate weight | 1.35 kg/m |
| Gland Size (CX/Z) | 25 |
| Gland Size (A2 or A2F) | 32 |
| Electrical characteristics | |
| Max. DC resistance of the conductor at 20°C | 0.727 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 |
|----------------|----------------|
| 3 | RD, WH, BU |
| 3 (Plus Pilot) | RD, WH, BU, OG |
| 4 | RD, WH, BU, BK |

Max. conductor temperature in service



90 °C

XLPE Neutral Screened Cables

CU NSCRN XL 3X 25^ 3.2

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

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CONDUCTOR XLPE NEUTRAL

Copper conductor Shaped stranded except 25 mm² which is compact stranded for XLPE Neutral Screen, three core Circular stranded for Three core plus pilot Shaped stranded except 16 mm² circular stranded and 25 mm² Compact stranded for four core Insulation XLPE Max. Conductor Temperature 90C

| Conductor cross-section | ⊗ | ⊗ | ® | | | |
|-------------------------------------|--------------------------|-------------------|----------|--------------|------------------------------|----|
| [mm²] | Cu | Cu | Cu | Cu | Cu | Cu |
| 16 | 97 | 91 | 75 | 118 | 87 | 45 |
| 25 | 131 | 122 | 100 | 153 | 114 | 62 |
| 35 | 162 | 151 | 125 | 184 | 139 | 76 |
| 50 | 198 | 185 | 150 | 218 | 166 | - |
| 70 | 252 | 234 | 190 | 269 | 207 | - |
| 95 | 311 | 289 | 230 | 323 | 249 | - |
| Air Spaced from Surface, Unenclosed | Air touching, unenclosed | | | Air enclosed | | |
| Buried direct | Bu | ried in single-wa | y duct | | surrounded by on, unenclosed | |

