# XLPE Neutral Screened Cables

**CU NSCRN XL 4X 25^ 3.2**

Contact
Sales and Customer Solutions
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**Nexans Ref.:** HEGC17PX004CXEM
**Country Ref.:** 1559

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

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 |
| Insulation | XLPE |
| Screen | Copper wire |
| Outer sheath | PVC |
| Conductor flexibility | Class 2 |
| Conductor shape | Circular |
| Core identification | Red, White, Blue, Black |
| Sheath colour | Black |
| Type of conductor | Circular compacted stranded |
| With Green/Yellow core | No |
| With smaller neutral conductor | No |
| **Dimensional characteristics** | |
| Number of cores | 4 |
| Conductor cross-section | 25 mm² |
| Nominal overall diameter | 27.9 mm |
| Approximate weight | 1.65 kg/m |
| Gland Size (A2 or A2F) | 40 |
| Gland Size (CX/Z) | 32 |
| Neutral conductor section (when smaller) | - mm² |
| Nominal outer sheath thickness | - mm |
| **Electrical characteristics** | |
| Max. DC resistance of the conductor at 20°C | 0.727 Ohm/km |
| Permissible short circuit current conductor 1s | - kA |
| Rated Voltage Uo/U (Um) | 0.6/ 1 (1.2) kV |
| **Mechanical characteristics** | |
| Cable flexibility | Rigid |
| **Usage characteristics** | |
| Max. conductor temperature in service | 90 °C |

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## 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 |
| 25 | 131 | 122 | 100 | 153 | 114 | 62 |

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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