

XLPE Neutral Screened Cables

CU NSCRN XL 4X 25^ 3.2

Contact

General Sales inquiries
Phone: 0508 NEXANS
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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

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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, Black

Dimensional characteristics

Number of cores	4
Conductor cross-section	25 mm ²
Nominal overall diameter	27.9 mm
Approximate weight	1.65 kg/m
Gland Size (CX/Z)	32
Gland Size (A2 or A2F)	40

Electrical characteristics

Max. DC resistance of the conductor at 20°C	0.727 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	90 °C
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CORE COLOURS

No. of Cores	Colour
3	RD, WH, BU
3 (Plus Pilot)	RD, WH, BU, OG
4	RD, WH, BU, BK

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








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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 [mm ²]	 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	-
<div>  Air Spaced from Surface, Unenclosed  Air touching, unenclosed  Air enclosed </div> <div>  Buried direct  Buried in single-way duct  Cable surrounded by thermal insulation, unenclosed </div>						