

XLPE Neutral Screened Cables

Contact

Sales Enquiries
Phone: 0508 NEXANS
sales.nz@nexans.com

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

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Insulation	XLPE
Screen	Copper wire
Outer sheath	PVC

Electrical characteristics

Rated Voltage U ₀ /U (Um)	0.6/ 1 (1.2) kV
--------------------------------------	-----------------

Usage characteristics

Max. conductor temperature in service	90 °C
---------------------------------------	-------

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.

Version 1.1 Generated 11/06/19 www.nexans.co.nz Page 1 / 3

The Nexans logo, featuring a stylized red 'N' followed by the word 'nexans' in a black, lowercase, sans-serif font.

XLPE Neutral Screened Cables

Contact

Sales Enquiries
Phone: 0508 NEXANS
sales.nz@nexans.com

THREE CORE

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	Max. DC Resist. Cond. 20°C [Ohm/km]	Nom. overall diam. [mm]	Gland Size (CX/Z)	Gland Size (A2 or A2F)	Approx. weight [kg/m]	Type of conductor
FEGC16PX003CXRJ 8090		3	25	0.727	25.4	25	32	1.35	Circular compacted stranded
FEGV18PX003CXRJ 3281		3	35	0.524	26.1	32	40	1.72	Sector-shaped, stranded
FEGV19PX003CXRJ 4140		3	50	0.387	29.4	32	40	2.25	Sector-shaped, stranded
FEGV20PX003CXRJ 1616		3	70	0.268	33.5	40	50S	3.12	Sector-shaped, stranded
FEGV21PX003CXRJ 7500		3	95	0.193	37.1	40	50S	4.18	Sector-shaped, stranded

THREE CORE PLUS PILOT

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	Max. DC Resist. Cond. 20°C [Ohm/km]	Pilot wires	Nom. overall diam. [mm]	Gland Size (CX/Z)	Gland Size (A2 or A2F)	Approx. weight [kg/m]	Type of conductor
QDXP15AA003CXRJ 5687		3	16	1.15	4 mm ²	24.8	25	32	1.05	Circular, stranded

FOUR CORE

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	Max. DC Resist. Cond. 20°C [Ohm/km]	Nom. overall diam. [mm]	Gland Size (CX/Z)	Gland Size (A2 or A2F)	Approx. weight [kg/m]	Type of conductor
HEGP15PX004CXEM 7626		4	16	1.15	24.7	25	32	1.13	Circular, stranded
HEGC17PX004CXEM 1559		4	25	0.727	27.9	32	40	1.65	Circular compacted stranded
HEGV35PX004CXEM 3176		4	35	0.524	29.5	32	40	2.11	Sector-shaped, stranded
HEGV36PX004CXEM 7610		4	50	0.387	33.0	32	50S	2.78	Sector-shaped, stranded
HEGV20PX004CXEM 5203		4	70	0.268	37.1	40	50S	3.85	Sector-shaped, stranded
HEGV21PX004CXEM 6214		4	95	0.193	40.3	50S	50	5.15	Sector-shaped, stranded

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.

Version 1.1 Generated 11/06/19 www.nexans.co.nz Page 2 / 3



CORE COLOURS

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

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	-

 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed
 Buried direct	 Buried in single-way duct	 Cable surrounded by thermal insulation, unenclosed