

XLPE Armoured Mains Cables

XLPE Armoured Main 4x16

Contact

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Nexans Ref.: HEMP15AA004CXEM

Country Ref.: 3578

Cu conductors, XLPE insulation, Laid up, Extruded bedding, GSW armour, Black PVC sheath. 0.6/1 kV. Made to AS/NZS 5000.1.

DESCRIPTION

Application

- Industrial, commercial and domestic applications
- For use in various situations to supply the main power from the point of supply to buildings, equipments, sheds e.g. switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



STANDARDS

National AS/NZS 5000.1

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CHARACTERISTICS

Construction characteristics

Type of conductor	Circular, stranded
Conductor material	Copper
Insulation	XLPE
Material of bedding	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Sheath colour	Black
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	4
Conductor cross-section	16 mm ²
Nominal overall diameter	25.1 mm
Gland Size (CW or E1FW)	25
Approximate weight	1.39 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Permissible short circuit current conductor 1s	- kA
Max. DC resistance of the conductor at 20°C (Ohm/km)	1.15
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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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CONDUCTOR XLPE ARMoured MAINS

XLPE insulation Armoured or unarmoured For cables up to and including 0.6/1 kV @ 50 Hz AC.

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
16	97	91	75	118	87	45
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed				
 Buried direct	 Buried in single-way duct		 Cable surrounded by thermal insulation, unenclosed			

Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C
- Soil Temperature: 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m