

CU Distribution Cables

CU DISTRN-USC XL 4X 16^

Contact

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Nexans Ref.: HEVP15VT004CXEM

Country Ref.: 3996

Cu conductors, XLPE insulation, Black PVC sheath. Vector Specification.

DESCRIPTION

Application

- Industrial, commercial and domestic applications.
- Recommended for distribution systems.



STANDARDS

National Customer specification



Conductor flexibility
Class 2



Rated Voltage Uo/U (Um)
0.6/1 (1.2) kV



Cable flexibility
Rigid



Max. conductor temp. in service
90 °C



U.V resistance
Yes

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

Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	XLPE
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red,Black
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	22.5 mm
Approximate weight	0.87 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Conductor AC resistance at 50 Hz	- Ohm/km
Inductive reactance at 50Hz	- Ohm/km
Insulation resistance at 20°C	- MOhm.km
Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Rated Voltage U ₀ /U (U _m)	0.6/ 1 (1.2) kV

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
U.V resistance	Yes

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - COPPER DISTRIBUTION, FOUR CORE

Copper conductor Circular stranded Insulation XLPE Max. Conductor Temperature 90C

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			

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