CU Distribution Cables

CU DISTRN-USC XL 4X 25^

Contact
Sales and Customer Solutions
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Nexans Ref.: HEVC16VT004CXEM
Country Ref.: 9663

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



DESCRIPTION

Application

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

STANDARDS

National Customer specification

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	25 mm²
Nominal overall diameter	25.8 mm
Approximate weight	1.29 kg/m
Neutral conductor section (when smaller)	- mm²
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	0.727 Ohm/km
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) - COPPER DISTRIBUTION, FOUR CORE

Copper conductor Circular stranded 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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