

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

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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	XLPE
Outer sheath	PVC
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 mm ²
Nominal overall diameter	25.8 mm
Approximate weight	1.29 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	0.727 Ohm/km
Rated Voltage Uo/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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








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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			