CU Distribution Cables

CU DISTRN-USC XL 4X 25[^]

Contact

Sales and Customer Solutions sales.nz@nexans.com

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



CU Distribution Cables

Max. conductor temperature in service

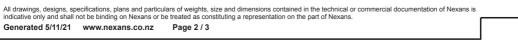
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CHARACTERISTICS

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 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	





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

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Cu	Cu	Cu	Cu	Cu	Cu	
131	122	100	153	114	62	
Air touching, unenclosed			Air enclosed			
Buried in single-way duct		Cable surrounded by thermal insulation, unenclosed				
	Cu 131	Cu Cu 131 122 Air touching, unend	CuCuCu131122100Air touching, unenclosed	Cu Cu Cu 131 122 100 153 Air touching, unenclosed Cable Cable	Cu Cu Cu Cu 131 122 100 153 114 Air touching, unenclosed Air enclosed Cable surrounded by	Cu Cu Cu Cu Cu Cu 131 122 100 153 114 62 Air touching, unenclosed Cable surrounded by thermal



