CU Distribution Cables

CU DISTRN-USC XL 4X 16^

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

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	16 mm²
Nominal overall diameter	22.5 mm
Approximate weight	0.87 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	1.15 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**
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