# 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

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. Generated 5/11/21 www.nexans.co.nz Page 1 / 3



# **CU Distribution Cables**

CU DISTRN-USC XL 4X 16^

## **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 mm <sup>2</sup>	
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	<u>]</u> ®	<b>1</b> 8	10	7 <b>5</b> 865,			
[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	B	Buried in single-way duct		Cable surrounded by thermal insulation, unenclosed			

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