



**Nexans**  
Ref.: DEVC16VT002CXHF  
Country Ref.: 3799  
EAN 13: 99416079033407

## CONTACT

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

## STANDARDS

**National** Customer specification

### Application

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



Conductor flexibility  
Class 2



Rated Voltage U<sub>o</sub>/U<sub>m</sub> (Um)  
0.6/ 1 (1.2) kV



Cable flexibility  
Rigid



Max. conductor temp.in service  
90 °C



U.V resistance  
Yes

## 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	2
Conductor cross-section	25 mm <sup>2</sup>
Nominal overall diameter	23.2 mm
Approximate weight	0.73 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### 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 U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV

### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics

Max. conductor temperature in service	90 °C
U.V resistance	Yes

## CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - COPPER DISTRIBUTION, TWO CORE

Copper conductor Circular stranded Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
25	154	144	121	182	137	73
 Air spaced from surface, unenclosed	 Air touching, unenclosed	 Air enclosed		 Buried direct	 Buried in single-way duct	 Cable surrounded by thermal insulation, unenclosed

### Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C
- Soil Temperature: 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m