

CU Distribution Cables

CU DISTRN-USC XL 2X 16^

Contact

General Sales inquiries
Phone: 0508 NEXANS
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Nexans ref.: DEVP15VT002CXHE

Country ref.: 6988

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
Sheath colour	Black
With Green/Yellow core	No
With smaller neutral conductor	No
Core identification	Red, Black

Dimensional characteristics

Number of cores	2
Conductor cross-section	16 mm ²
Nominal overall diameter	19.1 mm
Approximate weight	0.37 kg/m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Rated Voltage U ₀ /U (U _m)	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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CORE COLOURS

No. of Cores	Colour
2	RD, BK
4	RD, WH, BU, BK

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


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

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

Conductor cross-section [mm²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
16	114	107	90	141	105	54
25	154	144	121	182	137	73
35	190	178	145	219	165	89

 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