

CURRENT - 2C+E TPS

CU TPS 2X 16 BK

Contact

Sales and Customer Solutions
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Nexans Ref.: CACP15AA002CXHF

Country Ref.: 6331

Cu conductors PVC insulation, PVC sheath. 450/750 V. Made to AS/NZS 5000.2

DESCRIPTION

Application

- Domestic, commercial and industrial general applications
- Fixed applications

Colour Series

CURRENT



STANDARDS

National AS/NZS 5000.2

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.

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CHARACTERISTICS

Construction characteristics

Pilot wires	None
Sheath colour	Black
With Green/Yellow core	No
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red,Black
Type of conductor	Circular, stranded
Wire colour	-
With smaller neutral conductor	No

Dimensional characteristics

Conductor cross-section	16 mm ²
Earth conductor cross section	- mm ²
Nominal overall diameter	10.0 x 17.2
Approximate weight	0.46 kg/m
Neutral conductor section (when smaller)	- mm ²
Number of cores	2

Electrical characteristics

Max. DC resistance of the conductor at 20°C (Ohm/km)	1.15
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (Um)	450 / 750 V

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	75 °C
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




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CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - TPS - 2 CORES AND 2 CORES PLUS EARTH

PVC insulation For cables up to and including 450/750 V @ 50 Hz AC.

Conductor cross-section [mm ²]						
	Cu	Cu	Cu	Cu	Cu	Cu
16	97	91	78	125	95	46
 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