CURRENT - 2C+E TPS

CU TPS 2X 16 BK

Contact

Sales and Customer Solutions Phone: 0800 639 267 sales.nz@nexans.com

Nexans Ref.: CACP15AA002CXHF

Country Ref.: 6331

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

DESCRIPTION

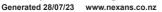
Application

- · Domestic, commercial and industrial general applications
- · Fixed applications



STANDARDS

National AS/NZS 5000.2









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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 mm²
Earth conductor cross section	- mm²
Nominal overall diameter	10.0 x 17.2
Approximate weight	0.46 kg/m
Neutral conductor section (when smaller)	- mm²
Number of cores	2
Electrical characteristics	
Max. DC resistance of the conductor at 20°C (Ohm/km)	1.15
Rated Voltage Uo/U	450/750 V
Rated Voltage Uo/U (Um)	450 / 750 V
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	75 °C







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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 [mm²]	⊚ Cu	Cu	© Cu	Cu	© Cu	Cu	
16	97	91	78	125	95	46	
Air Spaced from Surface, Unenclosed	Air touching, unenclosed			Air end	losed		
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

