

TPS - Two Core +E

CU TPS 2X 10+4E WH 5HM

Contact

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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

CHARACTERISTICS

Construction characteristics

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

Dimensional characteristics

Conductor cross-section	10 mm ²
Earth conductor cross section	4 mm ²
Nominal overall diameter	8.5 x 20.4
Approximate weight	0.42 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)	1.83
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	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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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
10	73	68	59	73	73	34
 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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Please refer to the complete Standard for full details available for purchase from Standards New Zealand at www.standards.co.nz.

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature:30°C