

# TPS - Two Core +E

CU TPS 2X 2.5+E WH 5HM

## Contact

Sales and Customer Solutions  
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**Nexans Ref.:** CNZP07A5002WVHF

**Country Ref.:** 1080.5

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

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	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	2.5 mm <sup>2</sup>
Earth conductor cross section	2.5 mm <sup>2</sup>
Nominal overall diameter	5.3 x 12.0
Approximate weight	0.14 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>
Number of cores	2

### Electrical characteristics

Max. DC resistance of the conductor at 20°C (Ohm/km)	7.41
Rated Voltage U <sub>0</sub> /U	450/750 V
Rated Voltage U <sub>0</sub> /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 <sup>2</sup> ]						
	Cu	Cu	Cu	Cu	Cu	Cu
2.5	31	30	26	33	33	15
 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