# TPS - Two Core & Two Core +E

CU TPS 2X 1.0+E WH 1HM

Contact

General Sales inquiries Phone: 0508 NEXANS sales.nz@nexans.com

Nexans ref.: CNZP02A1002WVHF

**Country ref.:** 9779.1

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

### **DESCRIPTION**

### **Application**

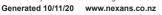
- Domestic, commercial and industrial general applications
- · Fixed applications



#### **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
Type of conductor	Circular, stranded
Core identification	Red, Black, Green/Yellow
With smaller neutral conductor	No
Dimensional characteristics	
Conductor cross-section	1 mm²
Earth conductor cross section	1 mm²
Nominal overall diameter	4.0 x 8.6
Approximate weight	0.07 kg/m
Number of cores	2
Electrical characteristics	
Rated Voltage Uo/U	450/750 V
Rated Voltage Uo/U (Um)	450 / 750 V
Max. DC resistance of the conductor at 20°C (Ohm/km)	18.1
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	$\otimes$	<b>=</b> 8	0	<b>\$</b>			
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1	17	16	15	19	19	8	
1.5	22	21	18	23	23	10	
2.5	31	30	26	33	33	15	
4	42	39	34	43	43	19	
6	52	50	44	55	55	25	
10	73	68	59	73	73	34	
16	97	91	78	125	95	46	
25	129	122	103	162	123	60	
Air Spaced from Surface, Unenclosed	8 Air	touching, unenc	losed	Air ence	losed		
Buried direct	Bu Bu	ried in single-way	y duct		surrounded by to on unenclosed		

#### Note

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The values are for typical New Zealand installation conditions of:

• Ambient Air Temperature:30°C

