TPS - Two Core +E

CU TPS 2X 1.5+E WH 1HM

Contact
Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: CNZQ05A1002WVHF
Country Ref.: 2521.1

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.

Contact
Sales and Customer Solutions
sales.nz@nexans.com

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	1.5 mm²
Earth conductor cross section	1.5 mm²
Nominal overall diameter	4.7 x 10.2
Approximate weight	0.09 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)	13.6
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

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.

TPS - Two Core +E

CU TPS 2X 1.5+E WH 1HM

Contact
Sales and Customer Solutions
sales.nz@nexans.com

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
1.5	22	21	18	23	23	10

 Air Spaced from Surface, Unenclosed

 Air touching, unenclosed

 Air enclosed

 Buried direct

 Buried in single-way duct

 Cable surrounded by thermal insulation unenclosed

Note

© Copyright Standards New Zealand 2016.
Content in this table and the typical New Zealand installation conditions are derived from AS/NZS 3008.1.2:2017 and has been reproduced or adapted with permission from Standards New Zealand under Copyright Licence 000926. 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

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.