TPS - Two Core (Red)

CU TPS 2X 1.5 RD 2HM

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

Country Ref.: 1049.2

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

DESCRIPTION

Application

- Domestic, commercial and industrial general applications
- Fixed applications
- Fire alarm cable

STANDARDS

National AS/NZS 5000.2

Rated Voltage Uo/U (Um)
450 / 750 V

Cable flexibility
Rigid

Max.conductor temp.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.

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CHARACTERISTICS

Construction characteristics	
Pilot wires	None
Sheath colour	Red
With Green/Yellow core	No
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Core identification	Red,Black
Type of conductor	Circular, stranded
Wire colour	-
With smaller neutral conductor	No
Dimensional characteristics	
Conductor cross-section	1.5 mm²
Earth conductor cross section	- mm²
Nominal overall diameter	4.7 x 7.4
Approximate weight	0.07 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

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

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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

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