

TPS - Single Core

CU TPS 1X 2.5 RD WH 1HM

Nexans Ref.: AABP07A1001WTRD

Country Ref.: 1635.1

Cu Conductor, 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

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CHARACTERISTICS

Construction characteristics

Colour	Red / white
Type of conductor	Circular, stranded
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Sheath colour	White
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Conductor cross-section	2.5 mm ²
Nominal overall diameter	4.9 mm
Gland Size (A2 or A2F)	20S/16
Approximate weight	0.05 kg/m
Neutral conductor section (when smaller)	- mm ²
Number of cores	1

Electrical characteristics

Max. DC resistance of the conductor at 20°C (Ohm/km)	7.41
Rated Voltage U _o /U	450/750 V
Rated Voltage U _o /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 - SINGLE CORE

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm ²]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
2.5	33	26	27	43	40	35	14	
	Air Spaced from Surface, Unenclosed				Air touching, unenclosed			Air enclosed
	Buried direct				Buried in single-way duct			Buried in multi-way duct
	Cable surrounded by thermal insulation							

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - TPS - SINGLE CORE

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm ²]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
2.5	29	26	24	30	36	30	14	
	Air Spaced from Surface, Unenclosed				Air touching, unenclosed			Air enclosed
	Buried direct				Buried in single-way duct			Buried in multi-way duct
	Cable surrounded by thermal insulation							