

TPS - Single Core

CU TPS 1X 6 RD WH 1HM

Contact

General Sales inquiries
Phone: 0508 NEXANS
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Nexans ref.: AABP11A1001WTRD

Country ref.: 5022.1

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
With Green/Yellow core	No
Sheath colour	White
With smaller neutral conductor	No

Dimensional characteristics

Conductor cross-section	6 mm ²
Nominal overall diameter	6.5 mm
Gland Size (A2 or A2F)	20S/16
Approximate weight	0.1 kg/m
Number of cores	1

Electrical characteristics

Rated Voltage U _o /U	450/750 V
Rated Voltage U _o /U (Um)	450 / 750 V
Max. DC resistance of the conductor at 20°C (Ohm/km)	3.08

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 - 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
1	18	15	15	24	23	20	7
1.5	24	18	21	31	29	25	9
2.5	33	26	27	43	40	35	14
4	44	35	36	56	52	45	18
6	56	46	47	71	64	57	23
10	76	62	62	94	85	76	31
16	101	82	80	134	109	98	41

 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
1	16	15	14	18	21	18	7
1.5	19	18	17	22	26	22	9
2.5	29	26	24	30	36	30	14
4	38	35	32	40	47	40	18
6	48	46	40	50	58	50	23
10	66	62	54	65	77	65	31
16	88	82	71	114	99	86	41

 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

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