

TPS - Single Core

CU TPS 1X 4 BK WH 1HM

Contact

Sales and Customer Solutions
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Nexans Ref.: AABP09A1001WTBK

Country Ref.: 7242.1

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	Black/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	4 mm ²
Nominal overall diameter	6.0 mm
Gland Size (A2 or A2F)	20S/16
Approximate weight	0.07 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)	4.61
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /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
4	44	35	36	56	52	45	18
 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 [mm²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
4	38	35	32	40	47	40	18
 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							