## TPS - Single Core CU TPS 1X 2.5 BK WH 1HM

#### Contact

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#### Nexans Ref.: AABP07A1001WTBK Country Ref.: 7923.1

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	2.5 mm <sup>2</sup>	
Nominal overall diameter	4.9 mm	
Gland Size (A2 or A2F)	20S/16	
Approximate weight	0.05 kg/m	
Neutral conductor section (when smaller)	- mm²	
Number of cores	1	
Electrical characteristics		
Max. DC resistance of the conductor at 20°C (Ohm/km)	7.41	
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	

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

Copper conductor Circular stranded (except 1 mm<sup>2</sup> which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section	0	8		575		590 J.		
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
2.5	33	26	27	43	40	35	14	
Air Spaced from Surface, Unenclosed	ß	Air touching	g, unenclosed		Air enclo	osed		
Buried direct		Buried in si	ingle-way duct	ZS	Buried in	n multi-way du	ıct	
Cable surrounded by thermal insulation								

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

Copper conductor Circular stranded (except 1 mm<sup>2</sup> which is solid) Insulation PVC Max. Conductor Temperature 75C

Co	nductor cross-section	8	8	$\odot$					
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	2.5	29	26	24	30	36	30	14	
8	Air Spaced from Surface, Unenclosed	8	Air touching	, unenclosed		Air enclo	sed		
SHE	Buried direct		Buried in sir	gle-way duct		Buried in	multi-way du	ct	
	Cable surrounded by thermal insulation								

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