

TPS - Three Core (Yellow)

Contact

Sales and Customer Solutions
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Cu conductors, PVC insulation, PVC sheath. 450/750 V. Made to AS/NZS 5000.2

DESCRIPTION

Application

- Domestic, commercial and industrial general applications
- Lighting applications
- Fixed applications



STANDARDS

National AS/NZS 5000.2

CHARACTERISTICS

Construction characteristics

With Green/Yellow core	No
Sheath colour	Yellow
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC

Dimensional characteristics

Number of cores	3
Earth conductor cross section	- mm ²

Electrical characteristics

Rated Voltage Uo/U	450/750 V
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Usage characteristics

Max. conductor temperature in service	- °C
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THREE CORE

Nexans Ref.	Country Ref.	Nb. of cores	Cross section [mm ²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Sheath colour	Nom. over. diam.	Approx. weight [kg/m]	Type of conductor
EACP02A1003YXRJ	5510.1	3	1	18.1	Yellow	4.0 x 8.6	0.07	Solid
EACQ05A1003YXRJ	3171.1	3	1.5	13.6	Yellow	4.6 x 10.2	0.09	Circular, stranded
EACP07A1003YXRJ	1560.1	3	2.5	7.41	Yellow	5.3 x 12.0	0.14	Circular, stranded

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CURRENT CARRYING CAPACITIES (IN AMPS) - 3 CORE, 3 CORE PLUS EARTH, 4 CORE TPS CABLES THREE PHASE

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
1	15	14	13	15	15	7
1.5	18	17	16	20	20	9
2.5	26	25	23	28	28	13
4	35	33	29	36	36	17
6	46	42	38	46	46	22

 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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The values in this table are for typical New Zealand installation conditions of:

- Ambient Air Temperature 30°C