

TPS - Three Core (Yellow)

Contact

General Sales
Phone: 0508 NEXANS
sales.nz@nexans.com

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

Conductor material	Copper
Insulation	PVC
Outer sheath	PVC

Electrical characteristics

Rated Voltage U ₀ /U	450/750 V
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Usage characteristics

Max. conductor temperature in service	75 °C
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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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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