

TPS - Three Core (Yellow)

CU TPS 3X 1.0 LT YE 1HM

Contact

General Sales inquiries
Phone: 0508 NEXANS
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Nexans ref.: EACP02A1003YXRJ

Country ref.: 5510.1

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

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CHARACTERISTICS

Construction characteristics

With Green/Yellow core	No
Sheath colour	Yellow
Type of conductor	Solid
Conductor material	Copper
Outer sheath	PVC
Insulation	PVC
With smaller neutral conductor	No
Core identification	Red, White Blue

Dimensional characteristics

Number of cores	3
Conductor cross-section	1 mm ²
Nominal overall diameter	4.0 x 8.6
Approximate weight	0.07 kg/m

Electrical characteristics

Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	450 / 750 V
Max. DC resistance of the conductor at 20°C (Ohm/km)	18.1

Mechanical characteristics

Cable flexibility	Rigid
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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