

TPS - Three Core (Yellow)

CU TPS 3X 1.5 LT YE 1HM

Contact

Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: EACQ05A1003YXRJ

Country Ref.: 3171.1

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

TPS - Three Core (Yellow)

CU TPS 3X 1.5 LT YE 1HM

Contact

Sales and Customer Solutions
sales.nz@nexans.com

CHARACTERISTICS

Construction characteristics

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

Dimensional characteristics

Number of cores	3
Conductor cross-section	1.5 mm ²
Earth conductor cross section	- mm ²
Nominal overall diameter	4.6 x 10.2
Approximate weight	0.09 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Conductor AC resistance at 50 Hz	- Ohm/km
Max. DC resistance of the conductor at 20°C (Ohm/km)	13.6
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	450 / 750 V

Mechanical characteristics

Cable flexibility	Rigid
-------------------	-------

Usage characteristics

Max. conductor temperature in service	- °C
---------------------------------------	------

TPS - Three Core (Yellow)

CU TPS 3X 1.5 LT YE 1HM

Contact

Sales and Customer Solutions
sales.nz@nexans.com

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 [mm²]						
	Cu	Cu	Cu	Cu	Cu	Cu
1.5	18	17	16	20	20	9
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed		 Air enclosed		 Cable surrounded by thermal insulation, unenclosed	
 Buried direct	 Buried in single-way duct					

Note

Content from AS/NZS 3008.1.2:2010 has been reproduced with the permission from Standards New Zealand under Copyright Licence 000926. Please see the Standard for full details.

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

- Ambient Air Temperature 30°C