

SWITCH - 3C TPS

CU TPS 3X 2.5 LT YE 1HM



Nexans
Ref.: EACP07A1003YXRJ
Country Ref.: 1560.1
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Cu conductors, PVC insulation, PVC sheath. 450/750 V. Made to AS/NZS 5000.2

STANDARDS

Product AS/NZS 5000.2

SWITCH is a three phase strap cable (no earth core) specifically designed for lighting installations. The yellow sheath makes the cable easily identifiable once installed.

Applications:

- General application: domestic, commercial, industrial
- Specifically for lighting applications
- Fixed applications

CHARACTERISTICS

Construction characteristics

With Green/Yellow core	No
Sheath colour	Yellow
Type of conductor	Circular, stranded
Conductor flexibility	Class 2
Conductor material	Copper
Conductor shape	Circular
Core identification	Red, White Blue
Insulation	PVC
Outer sheath	PVC
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	3
Conductor cross-section	2.5 mm ²
Earth conductor cross section	- mm ²
Nominal overall diameter	5.3 x 12.0
Approximate weight	0.14 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)	7.41
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	450/750 V

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	75 °C
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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
2.5	26	25	23	28	28	13

 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