# **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 Uo/U	450/750 V
Usage characteristics	
Max. conductor temperature in service	75 °C

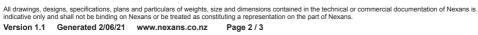


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## **THREE CORE**

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm²]	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











# **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

Conduc	ctor cross-section	∄0	8					
	[mm²]	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	
	Spaced from Surface, nclosed	Air touching, unenclosed		Air en	closed			
Burie	ed direct	Buried in single-way duct			Cable surrounded by thermal insulation, unenclosed			

#### Note

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• Ambient Air Temperature 30°C

