TPS - Two Core & Two Core +E

CU TPS 2X 1.5 RD 1HM

Contact

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

Nexans ref.: CACQ05A1002JBHF

Country ref.: 1049.1

Cu conductors PVC insulation, PVC sheath. 450/750 V. Made to AS/NZS 5000.2

DESCRIPTION

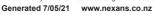
Application

- Domestic, commercial and industrial general applications
- · Fixed applications



STANDARDS

National AS/NZS 5000.2



Page 1 / 3



TPS - Two Core & Two Core +E

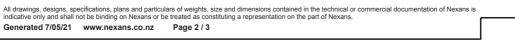
CU TPS 2X 1.5 RD 1HM

Contact

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

CHARACTERISTICS

Construction characteristics	
Pilot wires	None
Sheath colour	Red
With Green/Yellow core	No
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Type of conductor	Circular, stranded
Core identification	Red, Black
With smaller neutral conductor	No
Dimensional characteristics	
Conductor cross-section	1.5 mm²
Nominal overall diameter	4.7 x 7.4
Approximate weight	0.07 kg/m
Number of cores	2
Electrical characteristics	
Rated Voltage Uo/U	450/750 V
Rated Voltage Uo/U (Um)	450 / 750 V
Max. DC resistance of the conductor at 20°C (Ohm/km)	13.6
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	75 °C





TPS - Two Core & Two Core +E

CU TPS 2X 1.5 RD 1HM

Contact

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

CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - TPS - 2 CORES AND 2 CORES PLUS EARTH

PVC insulation For cables up to and including 450/750 V @ 50 Hz AC.

Conductor cross-section	\otimes	= 8	0	\$			
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1	17	16	15	19	19	8	
1.5	22	21	18	23	23	10	
2.5	31	30	26	33	33	15	
4	42	39	34	43	43	19	
6	52	50	44	55	55	25	
10	73	68	59	73	73	34	
16	97	91	78	125	95	46	
25	129	122	103	162	123	60	
Air Spaced from Surface, Unenclosed	8 Air	touching, unenc	losed	Air ence	losed		
Buried direct	Bu Bu	ried in single-way	y duct		surrounded by to on unenclosed		

Note

© Copyright Standards New Zealand 2016.

Content in this table and the typical New Zealand installation conditions are derived from AS/NZS 3008.1.2:2017 and has been reproduced or adapted with permission from Standards New Zealand under Copyright Licence 000926. Please refer to the complete Standard for full details available for purchase from Standards New Zealand at www.standards.co.nz.

The values are for typical New Zealand installation conditions of:

• Ambient Air Temperature:30°C

