TPS - Two Cores

Contact
Sales Enquiries
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
- 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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TWO CORE

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Sheath colour	Wire colour	Nom. over. diam.	Approx. weight [kg/m]	Type of conductor
CACP02A1002JBHF	8757.1	2	1	18.1	Red	-	4.0 x 6.3	0.05	Solid copper
CACQ05A1002JBHF	1049.1	2	1.5	13.6	Red	-	4.7 x 7.4	0.07	Circular, stranded
CACQ05A1002WVHF	7373	2	1.5	13.6	White	-	4.7 x 7.4	0.07	Circular, stranded
CACQ05A1002WVHF	7373.1	2	1.5	13.6	White	-	4.7 x 7.4	0.07	Circular, stranded
CACP05AA002ASWV	2651.1	2	1.5	13.6	White	Red/Red	4.7 x 7.4	0.07	Circular, stranded
CACP07A1002JBHF	8313.1	2	2.5	7.41	Red	-	5.3 x 8.7	0.1	Circular, stranded
CACP07A1002WVHF	9880.1	2	2.5	7.41	White	-	5.3 x 8.7	0.1	Circular, stranded
CACP09A1002WVHF	5212.1	2	4	4.61	White	-	6.3 x 10.5	0.15	Circular, stranded
CACP11A1002WVHF	8552.1	2	6	3.08	White	-	7.0 x 11.6	0.2	Circular, stranded
CACP15AA002CXHF	6331.1	2	16	1.15	Black	-	10.0 x 17.2	0.46	Circular, stranded
DACP16AA002WVHF	3816.1	2	25	0.727	White	-	11.8 x 20.8	0.73	Circular, stranded

TWO CORE PLUS EARTH

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Earth cond. sect. [mm²]	Sheath colour	Nom. over. diam.	Approx. weight [kg/m]	Type of conductor
CNZP02A1002WVHF	9779.1	2	1	18.1	1	White	4.0 x 8.6	0.07	Circular, stranded
CNZQ05A1002WVHF	2521.1	2	1.5	13.6	1.5	White	4.7 x 10.2	0.09	Circular, stranded
CNZP07A1002WVHF	1080.1	2	2.5	7.41	2.5	White	5.3 x 12.0	0.14	Circular, stranded
CNZP07A1002WVHF	1080.2	2	2.5	7.41	2.5	White	5.3 x 12.0	0.14	Circular, stranded
CNZP07A1002WVHF	1080.5	2	2.5	7.41	2.5	White	5.3 x 12.0	0.14	Circular, stranded
CNZP09A1002WVHF	6646.1	2	4	4.61	2.5	White	6.4 x 14.8	0.19	Circular, stranded
CNZP11AA002WVHF	3146.1	2	6	3.08	2.5	White	6.9 x 16.4	0.27	Circular, stranded
CNZP11AA002WVHF	3146.2	2	6	3.08	2.5	White	6.9 x 16.4	0.27	Circular, stranded

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CNZP13EC002WVHF	4121.1	2	10	1.83	4	White	8.5 x 20.4	0.42	Circular, stranded
CNZP15AA002CXHF	6565.1	2	16	1.15	6	Black	9.9 x 24.3	0.63	Circular, stranded

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

PVC insulation Armoured or unarmoured For cables up to and including 0.6/1 kV @ 50 Hz AC.

Conductor cross-section [mm²]	 Cu	 Cu	 Cu	 Cu	 Cu
1	17	16	15	19	19
1.5	22	21	18	23	23
2.5	31	30	26	33	33
4	42	39	34	43	43
6	52	50	44	55	55
10	73	68	59	73	73
16	97	91	78	125	95
25	129	122	103	162	123

 Air Spaced from Surface, Unenclosed

 Air touching, unenclosed

 Air enclosed

 Buried direct

 Buried in single-way duct

Note

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature:30°C