

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 U ₀ /U	450/750 V
---------------------------------	-----------

Usage characteristics

Max. conductor temperature in service	75 °C
---------------------------------------	-------

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Version 1.1 Generated 20/05/19 www.nexans.co.nz Page 1 / 3

TWO CORE

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	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 [mm ²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Earth cond. sect. [mm ²]	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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Earth cond. sect. [mm ²]	Sheath colour	Nom. over. diam.	Approx. weight [kg/m]	Type of conductor
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 [mm ²]					
	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

© Copyright Standards New Zealand 2016.

Content in this table and the typical New Zealand installation conditions are derived from AS/NZS 3008.1.2:2010 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