

2PNCT-SB, T-2PNCT-SB

Class 2 EP rubber insulated chloroprene rubber sheathed shielded flexible cable

2PNCT-SB		T-2PNCT-SB	
Heat resistance	★★★	Heat resistance	★★★
Oil resistance	★★★★★	Oil resistance	★★★★★
Noise resistance	★★★	Noise resistance	★★★
Flame resistance	★★	Flame resistance	★★
Flexibility	★★★	Flexibility	★★★★
non-migratory	★	non-migratory	★
Transport property	★★	Transport property	★★★

※The characteristic is an aim.

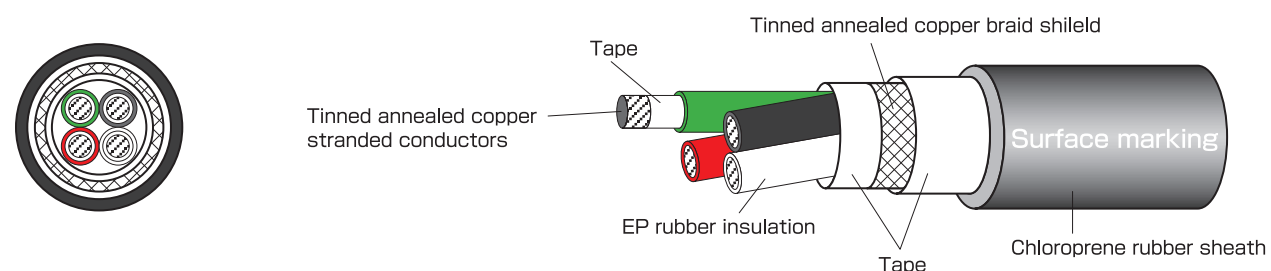
> Application

- Power supply circuit of portable electrical machinery and apparatus not higher than 600V and in other cases where flexibility and bending resistance and shielded are required.(It is not suitable for applications where it undergoes repeated bending)
- Rated voltage:600V. Temp:80°C.

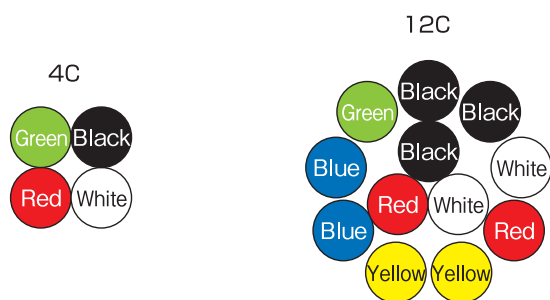
> Feature

- EP rubber for insulation.
- Electrical characteristics, heat resistance, ozone resistance.
- High allowable current.
- Chloroprene rubber for sheath.
- Abrasion resistance, oil resistance, flame retardance.
- Conform to Electrical Appliance and Material Safety Law. (8 cores or more is excluded)

> Construction figure



> Identification



> Standard sales length

Sale by cutting short length is available.

Certification	Electrical Appliance and Material Safety
Applicable standard	Law/Departmental order to determine a technical standard of the electrical equipment
Official symbol	2PNCT
Voltage rating	600V
Temperature rating	80°C
Conductor	JIS C 3152
Flame rating	JIS C 3005-4.26.2-a)



> Construction table

●2PNCT-SB

No. of cores	Conductor			EP rubber insulation		Chloroprene rubber sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG) (mm ²)	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm20°C)	Electrical strength (V/1min.)	
2C						0.425	10.8	108(160)				21
3C						0.445	11.3	121(180)				18
4C						0.484	12.3	148(220)				16
6C						0.567	14.4	202(300)				14
8C	1.25	50/0.18	1.5	0.126	3.2	0.661	16.8	269(400)	less than 16.0	more than 500	2000	13
10C		(50/7.1mil)	(59mil)			0.760	19.3	336(500)				12
12C						0.748	19.0	356(530)				11
16C						0.819	20.8	437(650)				10
20C						0.909	23.1	511(760)				9.6
30C						1.063	27.0	726(1080)				8.4
2C						0.449	11.4	128(190)				27
3C						0.480	12.2	155(230)				23
4C						0.516	13.1	181(270)				21
5C						0.563	14.3	215(320)				19
6C						0.618	15.7	255(380)				18
8C	2.0	37/0.26	1.8	0.138	3.5	0.713	18.1	329(490)	less than 10.2	more than 500	2000	17
10C		(37/10.2mil)	(71mil)			0.815	20.7	417(620)				16
12C						0.799	20.3	417(620)				14
16C						0.890	22.6	524(780)				13
20C						0.980	24.9	652(970)				12
30C						1.157	29.4	907(1350)				10
2C						0.516	13.1	168(250)				40
3C	3.5	45/0.32	2.5	0.165	4.2	0.547	13.9	208(310)	less than 5.54	more than 400	2000	34
4C		(45/12.6mil)	(98mil)			0.594	15.1	262(390)				30

●T-2PNCT-SB

No. of cores	Conductor			EP rubber insulation		Chloroprene rubber sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG) (mm ²)	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm20°C)	Electrical strength (V/1min.)	
2C						0.386	9.8	77(115)				15
3C						0.425	10.8	101(150)				13
4C	0.75	30/0.18	1.1	0.110	2.8	0.457	11.6	114(170)	less than 27.7	more than 500	2000	12
6C		(30/7.1mil)	(43mil)			0.535	13.6	161(240)				10
8C						0.630	16.0	215(320)				9.9
12C						0.795	20.2	309(460)				8.9

Note:Six times of outer diameter is needed when you bend cables, and more diameter is needed when you bend cables repeatedly by cable reel, curtain, etc.

> Allowable ampacity

- The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30°C.
- Allowable ampacity is calculated based on JCS0168.
- Please multiply the following correction coefficient by the ambient temperature.

●Adjustment factors(at ambient temperature)

Ambient temperature(°C)	30	35	40	45	50	55	60	65	70	75	80
Adjustment factors	1.00	0.95	0.89	0.84	0.77	0.71	0.63	0.55	0.45	0.31	—