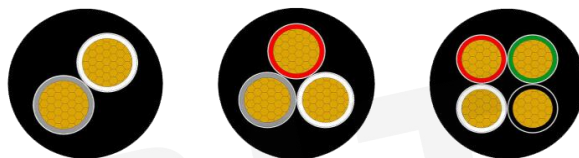


MULTICONDUCTOR TSJ/TSJ-N CABLE

Note: The above drawing is for representation purpose only.

Application

The TSJ/TSJ-N cable is widely used in wiring for low consumption appliances. It is also used in portable tools and lamps, as well as in portable electrical extension cords. Not permitted uses and recommendations.

- They cannot be used to replace the wiring of fixed outlets such as a electrical outlets.
- It should not be isolated within walls, floors or ceilings.
- It should not pass through doors, windows or similar openings where it may be damaged by sharp or pointed ends.
- It should not be stapled or nailed to the solid structures of the facility or building.
- It should not be installed in electrical conduit unless permitted by the Electrical Code for a specific use.
- The live conductor should be prevented from being connected to any of the exposed parts in lamps, appliances, and others (Sec. 410.5 of the 2008 NEC)-Under no circumstances should the driver replace the means intended for mechanical support of the installation or equipment.

Description

The TSJ/TSJ-N cable is an insulated multiconductor composed by bunch-stranded annealed copper flexible conductors, each single core has a thermoplastic insulation of PVC(Polyvinyl Chloride) and its protected by a Nylon sheath, gathered helically and with a black weather resistant thermoplastic PVC(Polyvinyl Chloride) outer sheath.

Conductor:	Class 5, annealed soft fine wires
Insulation:	PVC+Nylon
Jacket:	Black PVC
Voltage Rating:	600V
Cross section:	From 18 AWG (0.824 mm ²) to 6 AWG (13.3 mm ²)
Core colors:	2 cores: black, white 3 cores: black, white, green 4 cores: black, white, red, green

Standards Compliance

NTC 5521, ASTM B172, ASTM B174, UL62, UL83

Other Properties

CHEMICAL PERFORMANCE :	Chemical & Oil resistance: Good
MECHANICAL PERFORMANCE :	Minimum bending radius.x10 cable diameter
THERMINAL PERFORMANCE :	Maximum operating temperature.60°C
INSTALLATION CONDITIONS :	Open air, In conduit
FIRE PERFORMANCE :	N/A
PACKAGING:	By roll or by wooden reel/drum

MULTICONDUCTOR TSJ/TSJ-N CABLE DATASHEET

Core No. x Gauge	Nominal Cross Section Area	Nominal Cover Thickness		Approximate Total Diameter		Total Weight Approx.	Max. Conductor DC Resistance @ 20°C
		in	mm	in	mm		
Duplex							
2x18	0.82	0.030	0.762	0.231	5.859	48.45	22.40
2x16	1.31	0.030	0.762	0.256	6.492	63.86	14.10
2x14	2.08	0.030	0.762	0.285	7.244	86.06	8.88
2x12	3.31	0.045	1.143	0.353	8.956	133.17	5.58
2x10	5.26	0.060	1.524	0.463	11.752	222.53	3.51
2x8	8.37	0.060	1.524	0.559	14.205	332.63	2.23
2x6	13.30	0.060	1.524	0.628	15.949	456.25	1.40
Triplex							
3x18	0.82	0.030	0.762	0.244	6.192	58.42	22.40
3x16	1.31	0.030	0.762	0.271	6.874	78.49	14.10
3x14	2.08	0.030	0.762	0.303	7.684	107.80	8.88
3x12	3.31	0.045	1.143	0.373	9.469	166.68	5.58
3x10	5.26	0.060	1.524	0.489	12.420	276.82	3.51
3x8	8.37	0.060	1.524	0.593	15.063	417.18	2.23
3x6	13.30	0.060	1.524	0.667	16.942	582.54	1.40
Quadruplex							
4x18	0.82	0.030	0.762	0.266	6.750	71.04	22.40
4x16	1.31	0.030	0.762	0.296	7.514	96.48	14.10
4x14	2.08	0.030	0.762	0.332	8.423	133.84	8.88
4x12	3.31	0.045	1.143	0.407	10.328	206.39	5.58
4x10	5.26	0.060	1.524	0.533	13.542	341.51	3.51
4x8	8.37	0.060	1.524	0.650	16.503	517.78	2.23
4x6	13.30	0.060	1.524	0.733	18.608	729.61	1.40