UL 1331

-60°C to +150°C, 600V



Construction
Conductor: Tinned Copper or Bare Copper
Insulation: Extruded · FEP

Thermal Characteristics
Operating Temperature: -60°C to +150°C

Electrical Characteristics
Operating Voltage: 600V

Application
Internal wiring: Internal wiring of appliances and electronic equipment.
High-temperature equipment: High-temperature lead wiring for industrial controls, lighting fixtures, and heating appliances.

General Characteristics
Thermal & Soldering Stability: Superior high-temperature stability with zero melt-back or shrinkage during soldering.
Chemical & Solvent Inertness: Exceptional resistance to oils, fuels, acids, alkalis, and aggressive industrial solvents.
Low Dielectric Loss: Low dielectric constant and high dielectric strength for reliable signal and power integrity.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 1331.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1331.

Fire Performance
Fire Retardant: VW-1 / FT1 / FT2

CASMO Part No.	Conductor				Insulation		Nom. O.D. (mm)	Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Nom. Ins. Thickness (mm)	Min. Ins. Thickness (mm)			
1211030/7-TS-XX	30	7	0.1	0.3	0.51	0.46	1.32	381	3.16
1211028/7-TS-XX	28	7	0.127	0.38	0.51	0.46	1.4	239	3.71
1211026/7-TS-XX	26	7	0.16	0.48	0.51	0.46	1.5	150	5.02
1211024/11-TS-XX	24	11	0.16	0.61	0.51	0.46	1.66	94.2	6.29
1211024/19-TS-XX	24	19	0.127	0.64	0.51	0.46	1.66	94.2	6.49
1211022/7-TS-XX	22	7	0.254	0.76	0.51	0.46	1.78	59.4	8.23
1211022/17-TS-XX	22	17	0.16	0.76	0.51	0.46	1.78	59.4	8.23
1211020/19-TS-XX	20	19	0.2	1	0.51	0.46	2.02	36.7	11.71
1211020/26-TS-XX	20	26	0.16	0.94	0.51	0.46	2.02	36.7	11.1
1211020/41-TS-XX	20	41	0.127	0.94	0.51	0.46	2.02	36.7	11.1
1211018/19-TS-XX	18	19	0.254	1.27	0.51	0.46	2.29	23.2	16.71
1211018/41-TS-XX	18	41	0.16	1.18	0.51	0.46	2.29	23.2	15.54
1211016/26-TS-XX	16	26	0.254	1.49	0.51	0.46	2.52	14.6	22.31
1211016/65-TS-XX	16	65	0.16	1.5	0.51	0.46	2.52	14.6	22.46
1211014/41-TS-XX	14	41	0.254	1.88	0.51	0.46	2.91	8.96	32.91
1211014/104-TS-XX	14	104	0.16	1.89	0.51	0.46	2.91	8.96	33.11
1211012/65-TS-XX	12	65	0.254	2.36	0.51	0.46	3.62	5.64	51.61
1211012/168-TS-XX	12	168	0.16	2.37	0.51	0.46	3.62	5.64	51.86

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CASMO Part No.	Conductor				Insulation		Nom. O.D. (mm)	Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Nom. Ins. Thickness (mm)	Min. Ins. Thickness (mm)			
1211010/105-TS-XX	10	105	0.254	2.98	0.51	0.46	4	3.54	73.13
1211010/259-TS-XX	10	259	0.16	2.97	0.51	0.46	4	3.54	72.91

Table Notes

* Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, OR Orange, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear.

† "-TS-" = tinned copper conductor, "-AS-" = bare copper conductor; TS and AS may be substituted for each other.

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