UL 1858

-60°C to +150°C, 300V



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

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

Electrical Characteristics
Operating Voltage: 300V

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 1858.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1858.

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)			
1211632/7-TS-XX	32	7	0.08	0.24	0.33	0.3	0.9	595	1.67
1211630/7-TS-XX	30	7	0.1	0.3	0.33	0.3	0.97	381	2.07
1211628/7-TS-XX	28	7	0.127	0.38	0.33	0.3	1.05	239	2.63
1211626/7-TS-XX	26	7	0.16	0.48	0.33	0.3	1.15	150	3.45
1211624/11-TS-XX	24	11	0.16	0.61	0.33	0.3	1.3	94.2	4.74
1211624/19-TS-XX	24	19	0.127	0.64	0.33	0.3	1.3	94.2	4.93
1211622/7-TS-XX	22	7	0.254	0.76	0.33	0.3	1.42	59.4	6.41
1211622/17-TS-XX	22	17	0.16	0.76	0.33	0.3	1.42	59.4	6.41
1211620/19-TS-XX	20	19	0.2	1	0.33	0.3	1.66	36.7	9.67
1211620/26-TS-XX	20	26	0.16	0.94	0.33	0.3	1.66	36.7	9.05
1211620/41-TS-XX	20	41	0.127	0.94	0.33	0.3	1.66	36.7	9.05
1211618/19-TS-XX	18	19	0.254	1.27	0.33	0.3	1.93	23.2	14.57
1211618/41-TS-XX	18	41	0.16	1.18	0.33	0.3	1.93	23.2	13.4
1211616/26-TS-XX	16	26	0.254	1.49	0.33	0.3	2.2	14.6	19.93
1211616/65-TS-XX	16	65	0.16	1.5	0.33	0.3	2.2	14.6	20.08
1211614/41-TS-XX	14	41	0.254	1.88	0.33	0.3	2.58	8.96	29.95
1211614/104-TS-XX	14	104	0.16	1.89	0.33	0.3	2.58	8.96	30.15
1211612/65-TS-XX	12	65	0.254	2.36	0.33	0.3	3.15	5.64	46.24

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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)			
1211612/168-TS-XX	12	168	0.16	2.37	0.33	0.3	3.15	5.64	46.49
1211610/105-TS-XX	10	105	0.254	2.98	0.33	0.3	3.70	3.54	70.03
1211610/259-TS-XX	10	259	0.16	2.97	0.33	0.3	3.70	3.54	69.81

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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