UL 1859

-60°C to +150°C, 600V



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

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 1859.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1859.

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)			
1210632/7-TS-XX	32	7	0.08	0.24	0.51	0.46	1.26	595	2.99
1210630/7-TS-XX	30	7	0.1	0.3	0.51	0.46	1.33	381	3.46
1210628/7-TS-XX	28	7	0.127	0.38	0.51	0.46	1.41	239	4.12
1210626/7-TS-XX	26	7	0.16	0.48	0.51	0.46	1.51	150	5.07
1210624/11-TS-XX	24	11	0.16	0.61	0.51	0.46	1.66	94.2	6.51
1210624/19-TS-XX	24	19	0.127	0.64	0.51	0.46	1.66	94.2	6.71
1210622/7-TS-XX	22	7	0.254	0.76	0.51	0.46	1.78	59.4	8.35
1210622/17-TS-XX	22	17	0.16	0.76	0.51	0.46	1.78	59.4	8.35
1210620/19-TS-XX	20	19	0.2	1	0.51	0.46	2.02	36.7	11.85
1210620/26-TS-XX	20	26	0.16	0.94	0.51	0.46	2.02	36.7	11.23
1210620/41-TS-XX	20	41	0.127	0.94	0.51	0.46	2.02	36.7	11.23
1210618/19-TS-XX	18	19	0.254	1.27	0.51	0.46	2.29	23.2	17.09
1210618/41-TS-XX	18	41	0.16	1.18	0.51	0.46	2.29	23.2	15.92
1210616/26-TS-XX	16	26	0.254	1.49	0.51	0.46	2.56	14.6	22.82
1210616/65-TS-XX	16	65	0.16	1.5	0.51	0.46	2.56	14.6	22.98
1210614/41-TS-XX	14	41	0.254	1.88	0.51	0.46	2.94	8.96	33.31
1210614/104-TS-XX	14	104	0.16	1.89	0.51	0.46	2.94	8.96	33.5
1210612/65-TS-XX	12	65	0.254	2.36	0.51	0.46	3.45	5.64	49.58

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

© CASMO CABLE LLC. All rights reserved.

casmocable
CABLES FOR EXTREMES

UL 1859

-60°C to +150°C, 600V



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)			
1210612/168-TS-XX	12	168	0.16	2.37	0.51	0.46	3.45	5.64	49.83
1210610/105-TS-XX	10	105	0.254	2.98	0.51	0.46	4.06	3.54	74.76
1210610/259-TS-XX	10	259	0.16	2.97	0.51	0.46	4.06	3.54	74.53
121068/168-TS-XX	8	168	0.254	3.8	0.76	0.69	5.55	2.23	128.08
121068/420-TS-XX	8	420	0.16	3.78	0.76	0.69	5.55	2.23	127.65
121066/266-TS-XX	6	266	0.254	4.75	0.76	0.69	6.35	1.4	187.53
121066/665-TS-XX	6	665	0.16	4.75	0.76	0.69	6.35	1.4	187.53
121064/133-TS-XX	4	133	0.45	5.98	0.76	0.69	7.55	0.9	285.56
121064/420-TS-XX	4	420	0.254	5.98	0.76	0.69	7.55	0.9	285.56
121064/1064-TS-XX	4	1064	0.16	5.98	0.76	0.69	7.55	0.9	285.56
121062/665-TS-XX	2	665	0.254	8.10	0.76	0.69	9.65	0.56	408.81
121062/1665-TS-XX	2	1665	0.16	8.10	0.76	0.69	9.65	0.56	408.81

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.

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

© CASMO CABLE LLC. All rights reserved.