casmocable
CABLES FOR EXTREMES

UL 1180

-60°C to +200°C, 300V



Construction
Conductor: Silver Plated Copper or Nickel Plated Copper
Insulation: Extruded · PTFE

Thermal Characteristics
Operating Temperature: -60°C to +200°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 1180.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1180.

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)			
1310132/7-SS-XX	32	7	0.08	0.24	0.33	0.3	0.9	595	1.67
1310130/7-SS-XX	30	7	0.1	0.3	0.33	0.3	0.96	381	2.03
1310128/7-SS-XX	28	7	0.127	0.38	0.33	0.3	1.04	239	2.52
1310126/7-SS-XX	26	7	0.16	0.48	0.33	0.3	1.14	150	3.41
1310124/11-SS-XX	24	11	0.16	0.61	0.33	0.3	1.3	94.2	4.65
1310124/19-SS-XX	24	19	0.127	0.64	0.33	0.3	1.3	94.2	4.85
1310122/7-SS-XX	22	7	0.254	0.76	0.33	0.3	1.46	59.4	6.66
1310122/17-SS-XX	22	17	0.16	0.76	0.33	0.3	1.46	59.4	6.66
1310120/19-SS-XX	20	19	0.2	1	0.33	0.3	1.66	36.7	9.67
1310120/26-SS-XX	20	26	0.16	0.94	0.33	0.3	1.66	36.7	9.05
1310120/41-SS-XX	20	41	0.127	0.94	0.33	0.3	1.66	36.7	9.05
1310118/19-SS-XX	18	19	0.254	1.27	0.33	0.3	1.93	23.2	14.07
1310118/41-SS-XX	18	41	0.16	1.18	0.33	0.3	1.93	23.2	12.9
1310116/26-SS-XX	16	26	0.254	1.49	0.33	0.3	2.16	14.6	19.63
1310116/65-SS-XX	16	65	0.16	1.5	0.33	0.3	2.16	14.6	19.79
1310114/41-SS-XX	14	41	0.254	1.88	0.33	0.3	2.55	8.96	29.35
1310114/104-SS-XX	14	104	0.16	1.89	0.33	0.3	2.55	8.96	29.55
1310112/65-SS-XX	12	65	0.254	2.36	0.33	0.3	3.11	5.64	45.82

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

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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)			
1310112/168-SS-XX	12	168	0.16	2.37	0.33	0.3	3.11	5.64	46.07
1310110/105-SS-XX	10	105	0.254	2.98	0.33	0.3	3.67	3.54	69.66
1310110/259-SS-XX	10	259	0.16	2.97	0.33	0.3	3.67	3.54	69.44

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.

† "-SS-" = silver-plated copper conductor (standard for 200°C). "-NS-" = nickel-plated copper conductor (optional).

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