UL 1199

-60°C to +200°C, 600V



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: 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 1199.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1199.

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)			
1310430/7-SS-XX	30	7	0.1	0.3	0.51	0.46	1.32	381	3.42
1310428/7-SS-XX	28	7	0.127	0.38	0.51	0.46	1.4	239	3.98
1310426/7-SS-XX	26	7	0.16	0.48	0.51	0.46	1.5	150	5.02
1310424/11-SS-XX	24	11	0.16	0.61	0.51	0.46	1.66	94.2	6.4
1310424/19-SS-XX	24	19	0.127	0.64	0.51	0.46	1.66	94.2	6.6
1310422/7-SS-XX	22	7	0.254	0.76	0.51	0.46	1.82	59.4	8.65
1310422/17-SS-XX	22	17	0.16	0.76	0.51	0.46	1.82	59.4	8.65
1310420/19-SS-XX	20	19	0.2	1	0.51	0.46	2.02	36.7	11.85
1310420/26-SS-XX	20	26	0.16	0.94	0.51	0.46	2.02	36.7	11.23
1310420/41-SS-XX	20	41	0.127	0.94	0.51	0.46	2.02	36.7	11.23
1310418/19-SS-XX	18	19	0.254	1.27	0.51	0.46	2.29	23.2	16.49
1310418/41-SS-XX	18	41	0.16	1.18	0.51	0.46	2.29	23.2	15.32
1310416/26-SS-XX	16	26	0.254	1.49	0.51	0.46	2.52	14.6	22.48
1310416/65-SS-XX	16	65	0.16	1.5	0.51	0.46	2.52	14.6	22.63
1310414/41-SS-XX	14	41	0.254	1.88	0.51	0.46	2.91	8.96	32.62
1310414/104-SS-XX	14	104	0.16	1.89	0.51	0.46	2.91	8.96	32.82
1310412/65-SS-XX	12	65	0.254	2.36	0.51	0.46	3.47	5.64	49.82
1310412/168-SS-XX	12	168	0.16	2.37	0.51	0.46	3.47	5.64	50.07

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)			
1310410/105-SS-XX	10	105	0.254	2.98	0.51	0.46	4.03	3.54	74.34
1310410/259-SS-XX	10	259	0.16	2.97	0.51	0.46	4.03	3.54	74.12
131048/168-SS-XX	8	168	0.254	3.8	0.76	0.69	5.55	2.23	128.09
131048/420-SS-XX	8	420	0.16	3.78	0.76	0.69	5.55	2.23	127.65
131046/266-SS-XX	6	266	0.254	4.75	0.76	0.69	6.34	1.4	187.31
131046/665-SS-XX	6	665	0.16	4.75	0.76	0.69	6.34	1.4	187.31

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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