UL 1120

-20°C to +105°C, 600V



Construction
Conductor: Bare copper or Tin-plated copper
Insulation: Extruded · PVC
Jacket: Extruded · PVC

Thermal Characteristics
Operating Temperature: -20°C to +105°C

Electrical Characteristics
Operating Voltage: 600V

Application
Internal wiring: Internal wiring of appliances and electronic equipment.

General Characteristics
Oil & Fluid Resistance: Good resistance to oils, greases, and common industrial fluids.
Flexible: Flexible stranded construction for easy routing and installation in confined spaces.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 1120.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 1120.

Fire Performance
Fire Retardant: VW-1 / FT1

CASMO Part No.	Conductor				Insulation		Cable			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)	Nom. Jkt. Thickness (mm)	Min. Jkt. Thickness (mm)	Nom. O.D. (mm)		
414030/7-TS-XX	30	7	0.1	0.3	0.76	0.69	0.76	0.61	3.42	381	13.07
414028/7-TS-XX	28	7	0.127	0.38	0.76	0.69	0.76	0.61	3.52	239	14.06
414026/7-TS-XX	26	7	0.16	0.48	0.76	0.69	0.76	0.61	3.62	150	15.2
414024/11-TS-XX	24	11	0.16	0.61	0.76	0.69	0.76	0.61	3.77	94.2	16.97
414024/19-TS-XX	24	19	0.127	0.64	0.76	0.69	0.76	0.61	3.77	94.2	17.1
414022/7-TS-XX	22	7	0.254	0.76	0.76	0.69	0.76	0.61	3.92	59.4	19.18

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casmocable
CABLES FOR EXTREMES

UL 1120

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CASMO Part No.	Conductor				Insulation		Cable			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)	Nom. Jkt. Thickness (mm)	Min. Jkt. Thickness (mm)	Nom. O.D. (mm)		
414022/17-TS-XX	22	17	0.16	0.76	0.76	0.69	0.76	0.61	3.92	59.4	19.07
414020/19-TS-XX	20	19	0.2	1	0.76	0.69	0.76	0.61	4.07	36.7	22.18
414020/26-TS-XX	20	26	0.16	0.94	0.76	0.69	0.76	0.61	4.07	36.7	21.64
414020/41-TS-XX	20	41	0.127	0.94	0.76	0.69	0.76	0.61	4.07	36.7	21.61
414018/19-TS-XX	18	19	0.254	1.27	0.76	0.69	0.76	0.61	4.32	23.2	27.04
414018/41-TS-XX	18	41	0.16	1.18	0.76	0.69	0.76	0.61	4.32	23.2	26.05
414016/26-TS-XX	16	26	0.254	1.49	0.76	0.69	0.76	0.61	4.62	14.6	32.44
414016/65-TS-XX	16	65	0.16	1.5	0.76	0.69	0.76	0.61	4.62	14.6	32.31
414014/41-TS-XX	14	41	0.254	1.88	0.76	0.69	0.76	0.61	5.02	8.96	41.95
414014/104-TS-XX	14	104	0.16	1.89	0.76	0.69	0.76	0.61	5.02	8.96	42.03
414012/65-TS-XX	12	65	0.254	2.36	0.76	0.69	0.76	0.61	5.52	5.64	56.27
414012/168-TS-XX	12	168	0.16	2.37	0.76	0.69	0.76	0.61	5.52	5.64	56.97
414010/105-TS-XX	10	105	0.254	2.98	0.76	0.69	0.76	0.61	6.57	3.54	81.41
414010/259-TS-XX	10	259	0.16	2.97	0.76	0.69	0.76	0.61	6.57	3.54	83.52
41408/168-TS-XX	8	168	0.254	3.8	1.14	1.02	0.76	0.61	7.92	2.23	126.41
41408/420-TS-XX	8	420	0.16	3.78	1.14	1.02	0.76	0.61	7.92	2.23	127.57
41406/266-TS-XX	6	266	0.254	4.75	1.52	1.37	0.76	0.61	10.02	1.4	204.19

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CASMO Part No.	Conductor				Insulation		Cable			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)	Nom. Jkt. Thickness (mm)	Min. Jkt. Thickness (mm)	Nom. O.D. (mm)		
41406/665-TS-XX	6	665	0.16	4.75	1.52	1.37	0.76	0.61	10.02	1.4	203.23
41404/133-TS-XX	4	133	0.45	5.98	1.52	1.37	0.76	0.61	11.52	0.9	293.13
41404/420-TS-XX	4	420	0.254	5.98	1.52	1.37	0.76	0.61	11.52	0.9	294.27
41404/1064-TS-XX	4	1064	0.16	5.98	1.52	1.37	0.76	0.61	11.52	0.9	295.26
41402/665-TS-XX	2	665	0.254	8.10	1.52	1.37	0.76	0.61	13.52	0.56	419.55
41402/1665-TS-XX	2	1665	0.16	8.10	1.52	1.37	0.76	0.61	13.52	0.56	417.6

Table Notes

* -40°C versions are available on special request.

† 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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