casmocable
CABLES FOR EXTREMES

AEX

120°C, 25/60V



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

Thermal Characteristics
Operating Temperature: 120°C

Electrical Characteristics
Operating Voltage: 25/60V

Application
Automotive Low-Voltage Circuits: Heat-resistant primary wiring for low-voltage automotive circuits.

General Characteristics
Fluid Resistance: Resists gasoline, diesel and engine oil in vehicle service.
Abrasion Resistance: Withstands abrasion and chafing in harness routing.

Standards & Approvals
JASO D611:2009: Low-voltage cables for automobiles.
JASO D618: Test methods for automotive cables.

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	Max. DCR @20°C (Ω/km)	
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)			BC	TPC
1130050.5f/20-**-XX	0.5f	20	0.18	1	0.32	2.2	36.7	38.6
1130050.5/7-**-XX	0.5	7	0.32	1	0.32	2.2	32.7	34.6
1130050.75f/30-**-XX	0.75f	30	0.18	1.2	0.32	2.4	24.4	25.8
1130050.85/11-**-XX	0.85	11	0.32	1.2	0.32	2.4	20.8	22
1130051.25f/50-**-XX	1.25f	50	0.18	1.5	0.4	2.9	14.7	15.5
1130051.25/16-**-XX	1.25	16	0.32	1.5	0.4	2.9	14.3	15.1
1130052f/37-**-XX	2f	37	0.26	1.8	0.4	3.3	9.5	10.1
1130052/26-**-XX	2	26	0.32	1.9	0.4	3.4	8.81	9.3
1130053/41-**-XX	3	41	0.32	2.4	0.48	4.1	5.59	5.9
1130055/65-**-XX	5	65	0.32	3	0.64	4.9	3.52	3.72
1130058/50-**-XX	8	50	0.45	3.7	0.64	5.6	2.32	2.45
11300515f/171-AS-XX	15f	171	0.32	5.3	0.88	8	1.37	
11300520f/247-AS-XX	20f	247	0.32	6.5	0.88	9.3	0.946	
11300530f/361-AS-XX	30f	361	0.32	7.8	1.12	11.3	0.647	
11300540f/494-AS-XX	40f	494	0.32	9.1	1.12	12.6	0.473	
11300550f/608-AS-XX	50f	608	0.32	10.1	1.28	14.1	0.384	
11300560f/741-AS-XX	60f	741	0.32	11.1	1.28	15.1	0.315	
11300585f/1064-AS-XX	85f	1064	0.32	13.1	1.6	18.1	0.22	
113005100f/1349-AS-XX	100f	1349	0.32	14.9	1.6	19.9	0.173	

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.
‡ Conductor code: for 0.5f–8 mm², replace ** with AS for bare copper or TS for tinned copper; sizes 15f–100f are supplied with bare copper conductor (-AS-) only.
* Nominal size is the JASO designation; the suffix "f" denotes a flexible conductor.

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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