FL2G

-40°C to +200°C, 25/60V



Construction
Conductor: Flexible Bare Copper or Flexible Tinned Copper
Insulation: Extruded · Silicone Rubber (SiR)

Thermal Characteristics
Operating Temperature: -40°C to +200°C

Electrical Characteristics
Operating Voltage: 25/60V

Application
High-Temperature Automotive Power & Primary Wiring: Standard-wall flexible low-voltage power and primary wiring for high-temperature automotive and commercial vehicle circuits.

General Characteristics
Low-Temperature Flexibility: Maintains flexibility at low temperatures, facilitating cable routing and handling in cold environments.
Ozone Resistance: Resistant to ozone exposure, helping reduce surface cracking and deterioration of the cable covering.
Thermal & Aging Stability: Maintains dielectric integrity and mechanical stability under sustained thermal cycling and heat aging.

Standards & Approvals
ISO 19642-3: Low-voltage single-core silicone rubber cables for automobiles (Class F, 200°C).
ISO 6722-1: Test methods for single-core automotive cables.

RoHS COMPLIANT REACH COMPLIANT

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	Max. DCR @20°C (Ω/km)		Nom. Cable Weight (kg/km)
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)			BC	TPC	
1150230.5/16-**-XX	0.5	16	0.21	1.10	0.48	2.30	37.1	38.2	8.8
1150230.75/24-**-XX	0.75	24	0.21	1.30	0.48	2.50	24.7	25.4	11.9
1150231/32-**-XX	1	32	0.21	1.50	0.48	2.70	18.5	19.1	14.4
1150231.5/30-**-XX	1.5	30	0.26	1.80	0.48	3.00	12.7	13	20.0
1150232/28-**-XX	2	28	0.31	2.00	0.48	3.30	9.42	9.69	25.6
1150232.5/50-**-XX	2.5	50	0.26	2.20	0.56	3.60	7.6	7.82	31.8
1150233/44-**-XX	3	44	0.31	2.40	0.56	4.10	6.15	6.36	41.3
1150234/56-**-XX	4	56	0.31	2.80	0.64	4.40	4.71	4.85	50.6
1150235/65-**-XX	5	65	0.32	3.10	0.64	4.90	3.94	4.02	61.1
1150236/84-**-XX	6	84	0.31	3.40	0.64	5.00	3.14	3.23	70.7
11502310/80-**-XX	10	80	0.41	4.50	0.80	6.50	1.82	1.85	124.6
11502316/126-**-XX	16	126	0.41	5.80	0.80	8.30	1.16	1.18	190.2
11502325/196-**-XX	25	196	0.41	7.20	1.04	10.40	0.743	0.757	300.4
11502335/276-**-XX	35	276	0.41	8.50	1.04	11.60	0.527	0.538	385.7
11502350/396-**-XX	50	396	0.41	10.50	1.20	13.50	0.368	0.375	564.7
11502370/360-**-XX	70	360	0.51	12.50	1.20	15.50	0.259	0.264	789.0
11502395/475-**-XX	95	475	0.51	14.80	1.28	18.00	0.196	0.2	1011.1

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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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.

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper.

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