FLR2G

-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
Automotive Low-Voltage High-Temperature Harnesses: Reduced-wall flexible wiring for high-temperature automotive lighting, sensors, and powertrain harnesses.

General Characteristics
Thin-Wall Space Saving: Compact thin-wall insulation reduces harness bundle diameter and overall weight.
Low-Temperature Flexibility: Maintains flexibility at low temperatures, facilitating cable routing and handling in cold environments.
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 reduced-wall silicone rubber cables for automobiles (Class F, 200°C).
ISO 6722-1: Test methods for single-core automotive cables.

RoHS COMPLIANT REACH COMPLIANT

FLR2G-A

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	
1150410.22/7-**-XX	0.22	7	0.21	0.70	0.20	1.20	84.8	86.5	3.2
1150410.35/7-**-XX	0.35	7	0.27	0.80	0.20	1.30	54.4	55.5	4.7
1150410.5/19-**-XX	0.5	19	0.19	1.00	0.22	1.60	37.1	38.2	6.7
1150410.75/19-**-XX	0.75	19	0.24	1.20	0.24	1.90	24.7	25.4	9.3
1150411/19-**-XX	1	19	0.27	1.35	0.24	2.10	18.5	19.1	12.2
1150411.5/19-**-XX	1.5	19	0.33	1.70	0.24	2.40	12.7	13	16.9
1150412/19-**-XX	2	19	0.38	2.00	0.28	2.80	9.42	9.69	23.0
1150412.5/19-**-XX	2.5	19	0.41	2.20	0.28	3.00	7.6	7.82	27.6

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.

FLR2G-B

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	
1150410.35/12-**-XX	0.35	12	0.21	0.90	0.20	1.40	54.4	55.5	4.8
1150410.5/16-**-XX	0.5	16	0.21	1.00	0.22	1.60	37.1	38.2	6.7

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-40°C to +200°C, 25/60V



FLR2G-B

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	
1150410.75/24-**-XX	0.75	24	0.21	1.20	0.24	1.90	24.7	25.4	9.3
1150411/32-**-XX	1	32	0.21	1.35	0.24	2.10	18.5	19.1	12.2
1150411.5/30-**-XX	1.5	30	0.26	1.70	0.24	2.40	12.7	13	17.1
1150412/28-**-XX	2	28	0.31	2.00	0.28	2.80	9.42	9.69	23.0
1150412.5/50-**-XX	2.5	50	0.26	2.20	0.28	3.00	7.6	7.82	27.9
1150413/44-**-XX	3	44	0.31	2.40	0.32	3.40	6.15	6.36	31.9
1150414/56-**-XX	4	56	0.31	2.75	0.32	3.70	4.71	4.85	45.0
1150415/65-**-XX	5	65	0.32	3.25	0.32	4.20	3.94	4.02	53.0
1150416/84-**-XX	6	84	0.31	3.30	0.32	4.30	3.14	3.23	66.1
1150418/100-**-XX	8	100	0.33	4.30	0.32	5.00	2.38	2.52	80.0
11504110/80-**-XX	10	80	0.41	4.50	0.48	6.00	1.82	1.85	109.3
11504116/126-**-XX	16	126	0.41	5.50	0.52	7.20	1.16	1.18	168.0
11504125/196-**-XX	25	196	0.41	7.20	0.52	8.70	0.743	0.757	248.0

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