FLR4G

-40°C to +150°C, 25/60V



Construction
Conductor: Bare Copper or Tinned Copper · Flexible Stranded
Binder: Non-woven tape
Insulation: Extruded · Cross-linked EVA Copolymer (4G)

Thermal Characteristics
Operating Temperature: -40°C to +150°C

Electrical Characteristics
Operating Voltage: 25/60V
Test Voltage: 1000V / 30 min (ISO 19642-2 / ISO 19642-3 withstand voltage)

Application
Automotive Low-Voltage Power & Battery Wiring: High-temperature, high-current low-voltage battery, starter, and alternator cabling for on-road and off-road vehicles.

General Characteristics
Thin-Wall Construction: Reduced-wall irradiation cross-linked insulation decreases harness outer diameter and weight in high-current circuits.
Flexible Routing: Fine-stranded Type B and extra-flexible Type C copper conductors simplify routing in tight engine compartments.
Fluid & Thermal Shock Resistance: Resists engine oils, fuels, coolants, moisture, UV exposure, and rapid thermal cycling.

Standards & Approvals
ISO 19642-3: Single-core low-voltage copper conductor automotive cables (Class D, -40°C to +150°C, 3,000 h).
ISO 19642-2: Test methods for automotive cables.
Halogen-Free: EN 50525-1 Annex B / IEC 60754-1 & IEC 60754-2

Fire Performance
Fire Performance: Flame Retardant (ISO 19642-2)

RoHS COMPLIANT REACH COMPLIANT

FLR4G-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	
1150428/100-**-XX	8	100	0.33	4.30	0.32	5.00	2.38	2.52	80
11504210/80-**-XX	10	80	0.41	4.50	0.48	6.00	1.82	1.85	104
11504212/96-**-XX	12	96	0.41	4.80	0.48	6.50	1.52	1.55	122
11504216/126-**-XX	16	126	0.41	5.50	0.52	7.20	1.16	1.18	162
11504225/196-**-XX	25	196	0.41	7.20	0.52	8.70	0.743	0.757	248
11504235/276-**-XX	35	276	0.41	8.30	0.64	10.40	0.527	0.538	348
11504250/396-**-XX	50	396	0.41	9.70	0.72	12.20	0.368	0.375	495
11504270/360-**-XX	70	360	0.51	12.50	0.80	14.40	0.259	0.264	697
11504295/475-**-XX	95	475	0.51	14.70	0.90	16.70	0.196	0.200	930
115042120/608-**-XX	120	608	0.51	16.50	1.28	19.50	0.153	0.156	1210
115042150/760-**-XX	150	760	0.51	18.50	1.70	23.00	0.122	0.124	1560

Table Notes

† Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear (Orange RAL 2003 reserved for EV high-voltage circuits).

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper. Non-woven separator tape is applied under insulation on cross-sections ≥ 16 mm².

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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FLR4G

-40°C to +150°C, 25/60V



FLR4G-C

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	
11504225/790-**-XX	25	790	0.21	7.20	0.52	8.70	0.743	0.757	250
11504235/1102-**-XX	35	1102	0.21	8.30	0.64	10.40	0.527	0.538	352
11504250/1600-**-XX	50	1600	0.21	10.50	0.72	12.20	0.368	0.375	498
11504295/3000-**-XX	95	3000	0.21	14.70	0.90	16.70	0.196	0.200	925

Table Notes

† Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear (Orange RAL 2003 reserved for EV high-voltage circuits).

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper. Non-woven separator tape is applied under insulation on cross-sections ≥ 16 mm².

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