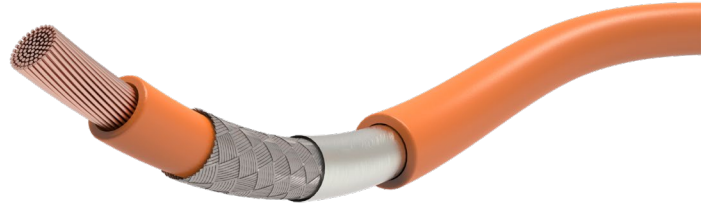


CASUSTAN™ EV

FHLR2GCB2G

-40°C to +180°C



Construction

Type: high voltage shielded and multicore cable
Core: flexible or extra flexible bare copper
Insulation: silicone rubber
Electrical screen: aluminum/PET tape
Shielding: tin-plated copper braid
Sheath: silicone rubber

Production

Range width: 1.5 / 2.5 / 4 / 6 / 10 / 16 / 25 / 35 / 50 / 70 / 95 / 120 mm²
Color: Orange RAL2003
Options: Please consult us for any special requirements

Application

Automotive: high voltage multicore cables for e-mobility power applications. Several benefits: high flexibility, high-temperature resistance, halogen-free, flame retardant, and dual shielding. The best product for your electrical power train of hybrid and electrical vehicles.

General characteristics

Operating environment: good resistance to thermal shock
Weather conditions: good resistance to UV
Chemical behaviors: good resistance to aggressive chemical environments
Humidity: excellent resistance to humidity
Mechanical behaviors: excellent flexibility

Thermal characteristics

Continuous operating temperature: -40°C to +180°C

Electrical characteristics

Operating Voltage: 600 VAC / 900 VDC , 1000 VAC / 1500 VDC
Test voltage: 5000V

Approvals – Standards

Automotive: ISO 6722-1, LV 216-2
Halogen free: IEC 60754-2 / EN 60754-2

Casmco Part No.	Conductor cross-section area	Conductor structure			Conductor Diameter		Insulation Diameter		Final O.D.		Linear core resistance at 20°C	Approx. Weight	
		mm ²	# Strands	Diam. Of Strands		(in)	(mm)	(in)	(mm)	(in)			(mm)
				(in)	(mm)								
8100901	1.5	76	0.006	0.16	0.07	1.7	0.09	2.4	0.16	4	12.7	35	
8100902	2.5	140	0.006	0.16	0.09	2.2	0.12	3	0.19	4.7	7.6	50	
8100903	4	224	0.006	0.16	0.11	2.8	0.15	3.7	0.23	5.8	4.71	75	
8100904	6	320	0.006	0.16	0.13	3.4	0.17	4.3	0.26	6.5	3.14	100	
8100905	10	320	0.008	0.21	0.18	4.5	0.24	6	0.35	8.8	1.82	160	
8100906	16	512	0.008	0.21	0.23	5.8	0.28	7.2	0.40	10.2	1.16	230	
8100907	25	790	0.008	0.21	0.28	7.2	0.35	8.8	0.48	12.2	0.743	350	
8100908	35	1070	0.008	0.21	0.33	8.5	0.41	10.5	0.57	14.4	0.527	475	
8100909	50	1600	0.008	0.21	0.41	10.5	0.48	12.2	0.62	15.8	0.368	650	
8100910	70	1427	0.010	0.26	0.49	12.5	0.61	15.5	0.79	20	0.259	920	
8100911	95	1936	0.010	0.26	0.58	14.8	0.71	18	0.89	22.5	0.196	1175	
8100912	120	2450	0.010	0.26	0.65	16.5	0.78	19.7	0.93	23.5	0.153	1440	

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CAUTION

The information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact Casmo Cable for dimensional verification. Information herein is believed to be accurate as of the publication date; however, if an error exists it is unintentional and Casmo Cable is not responsible for any claim traceable to such error.

