



**Application**

- ✓ Used for conditioning compressors, PTC auxiliary heaters and the vehicle.
- ✓ Internal connection of the charging socket to the charger aggregate.
- ✓ Used today by different OEMs for the connection of HV aggregates.

**Product Construction**

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure-C)
- ✓ Taping : Optional
- ✓ Insulation : Silicone Rubber (Thin wall)
- ✓ Inner Sheath : Silicone Rubber
- ✓ Screen : ATC with Al-Mylar Tape
- ✓ Outer Sheath : Silicone Rubber - Orange
- ✓ Colour : As Per Customer Order.
- ✓ Multi Core

**Technical Data**

- ✓ Voltage Rating : 600V AC / 1000V DC
- ✓ Temperature Range : - 40°C to +180°C (3000 Hours)
- ✓ Test Voltage :
  - i) Insulation : 6 kV for cables < 0.5 mm<sup>2</sup>  
8 kV for cables ≥ 0.5 mm<sup>2</sup>
  - ii) Outer Jacket : 8 kV for all cables
- ✓ FHL : Automotive Cable (High Voltage)
- ✓ R : Reduced wall thickness
- ✓ 2G : Silicone Rubber
- ✓ C : ATC Screening
- ✓ B : Al. Mylar Tape
- ✓ 2G : Silicone Rubber
- ✓ C : Asymmetrical (Structure C)
- ✓ Standard : ISO 6722, Class E & LV 216-2

**Features**

- ✓ High Flexibility
- ✓ Excellent EMC properties
- ✓ High temperature resistance
- ✓ Low Mechanical loads

**2D View**



ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

**Automotive Cables** **FHLR2GCB2G - C**

Part Number	Conductor Construction				Insulation Thickness (Min.)	Core Diameter (Max.)	Thickness of Inner Sheath (Min.)	Screen Wire Diameter (Max.)	Dia Over Shielding (Max.)	Cable		Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Strands	Diameter of Single wire (Max.)	Conductor Diameter (Max.)						Overall Diameter (Max.)	Weight Approx.	
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	
A737E1302	2 X 1.5	76	0.16	1.70	0.22	2.40	0.38	0.16	6.5	8.5	110	13.0
A737E1303	3 X 1.5	76	0.16	1.70	0.22	2.40	0.38	0.16	6.9	9.1	130	13.0
A737E1304	4 X 1.5	76	0.16	1.70	0.22	2.40	0.38	0.16	7.5	9.7	150	13.0
A737E1305	5 X 1.5	76	0.16	1.70	0.22	2.40	0.38	0.16	8.1	10.3	175	13.0
A737E1602	2 X 2.5	140	0.16	2.20	0.24	3.00	0.38	0.16	7.6	9.9	145	7.82
A737E1603	3 X 2.5	140	0.16	2.20	0.24	3.00	0.38	0.16	8.1	10.4	175	7.82
A737E1604	4 X 2.5	140	0.16	2.20	0.24	3.00	0.38	0.16	8.8	11.1	205	7.82
A737E1605	5 X 2.5	140	0.16	2.20	0.24	3.00	0.38	0.16	9.6	12.1	245	7.82
A737E1902	2 X 4.0	224	0.16	2.80	0.28	3.70	0.38	0.16	9.0	11.3	195	4.85
A737E1903	3 X 4.0	224	0.16	2.80	0.28	3.70	0.38	0.16	9.6	12.1	235	4.85
A737E1904	4 X 4.0	224	0.16	2.80	0.28	3.70	0.38	0.21	10.7	13.3	305	4.85
A737E1905	5 X 4.0	224	0.16	2.80	0.28	3.70	0.38	0.21	11.9	14.5	365	4.85
A737E2302	2 X 6.0	320	0.16	3.40	0.28	4.30	0.38	0.16	10.4	12.8	260	3.23
A737E2303	3 X 6.0	320	0.16	3.40	0.28	4.30	0.38	0.21	11.4	14.1	335	3.23
A737E2304	4 X 6.0	320	0.16	3.40	0.28	4.30	0.38	0.21	12.3	15.1	410	3.23
A737E2305	5 X 6.0	320	0.16	3.40	0.28	4.30	0.38	0.21	13.5	16.3	485	3.23

\* Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr <sup>6+</sup> Free	PBB Free	PBDE Free
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