

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

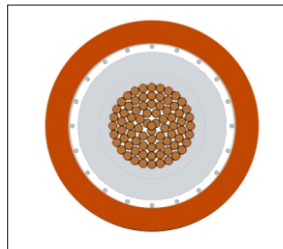
Technical Data

- ✓ 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 mm²
8 kV for cables ≥ 0.5 mm²
 - 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
- ✓ B : Asymmetrical (Structure B)
- ✓ 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 - B**

Part Number	Conductor Construction				Insulation Thickness (Min.)	Core Diameter (Max.)	Screen Wire Diameter (Max.)	Outer Sheath Thickness (Min.)	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 ²	nos.	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
A721S13XX10	1.5	30	0.26	1.7	0.24	2.40	0.11	0.38	4.00	35	12.7
A721S16XX10	2.5	50	0.26	2.2	0.28	3.00	0.11	0.38	4.70	50	7.60
A721S19XX10	4.0	56	0.31	2.8	0.32	3.70	0.16	0.38	5.80	75	4.71
A721S23XX10	6.0	84	0.31	3.4	0.32	4.30	0.16	0.46	6.50	100	3.14
A721S27XX10	10	80	0.41	4.5	0.48	6.00	0.16	0.70	8.80	160	1.82
A721S28XX10	16	126	0.41	5.8	0.52	7.20	0.16	0.70	10.20	230	1.16
A721S30XX10	25	196	0.41	7.2	0.64	8.80	0.21	0.75	12.20	350	0.743
A721S32XX10	35	276	0.41	8.5	0.64	10.50	0.21	0.80	14.40	475	0.527
A721S34XX10	50	396	0.41	10.5	0.71	12.20	0.21	0.80	15.80	650	0.368
A721S37XX10	70	360	0.51	12.5	1.20	15.50	0.21	1.16	20.00	920	0.259
A721S38XX10	95	475	0.51	14.8	1.20	18.00	0.21	1.16	22.50	1175	0.196
A721S41XX10	120	608	0.51	16.5	1.28	19.70	0.21	1.16	23.50	1440	0.153

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
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