

**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 C)
- ✓ Taping : Optional
- ✓ Insulation : Silicone Rubber (Thin wall)
- ✓ Outer Sheath : Silicone Rubber- Orange
- ✓ Colour : As Per Customer Order.
- ✓ Single Core

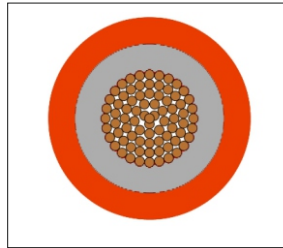
**Technical Data**

- ✓ 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 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 : Asymmetrical (Structure C)
- ✓ Standard : ISO 6722 & Class E & LV 216-2

**Features**

- ✓ High Flexibility
- ✓ High temperature resistance
- ✓ Low Mechanical loads

**2D View**



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

**Automotive Cables**      **FHLR2G2G - C**

Part Number	Conductor Construction				Insulation Thickness (Min.)	Core Diameter (Max.)	Thickness of Outer Sheath (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 <sup>2</sup>	nos.	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
A733S06XX10	0.5	26	0.16	1.10	0.22	1.60	0.38	3.0	13	37.1
A733S08XX10	0.75	38	0.16	1.30	0.24	1.90	0.38	3.4	16	24.7
A733S10XX10	1	54	0.16	1.50	0.24	2.10	0.38	3.6	19	18.5
A733S13XX10	1.5	76	0.16	1.70	0.24	2.40	0.38	3.9	25	12.7
A733S16XX10	2.5	140	0.16	2.20	0.28	3.00	0.38	4.5	37	7.60
A733S19XX10	4	224	0.16	2.80	0.32	3.70	0.38	5.2	54	4.71
A733S23XX10	6	320	0.16	3.40	0.32	4.30	0.46	6.0	76	3.14

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 <sup>6+</sup> Free	PBB Free	PBDE Free
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All information given are in good faith. Siechem's liability is only to replace the defective portion of cables provided the same is mutually established as manufacturing defects within the guarantee period as agreed in writing and Siechem shall not be liable for any compensation or damages. Siechem reserves the right to revise any of the above specifications without prior intimation. Subject to Chennai Jurisdiction.