

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)
- ✓ Insulation : Silicone Rubber (Thick wall)
- ✓ Colour : As Per Customer Order
- ✓ Single Core

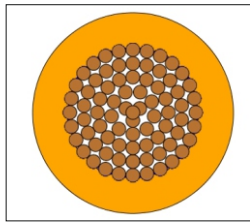
Technical Data

- ✓ 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
- ✓ FHL : Automotive Cable (High Voltage)
- ✓ 2G : Silicone Rubber
- ✓ B : Asymmetrical (Structure B)
- ✓ Standard : ISO 6722, Class E

Features

- ✓ High Flexibility
- ✓ High Temperature Resistance
- ✓ Good Thermal Properties

2D View



Automotive Cables FHL2G - B

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

Part Number	Conductor Construction				Insulation 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	kg/km	Ω/km
A744S06XX	0.5	16	0.21	1.10	0.48	2.30	9	37.1
A744S08XX	0.75	24	0.21	1.30	0.48	2.50	12	24.7
A744S10XX	1.0	32	0.21	1.50	0.48	2.70	15	18.5
A744S13XX	1.5	30	0.26	1.70	0.48	3.00	20	12.7
A744S16XX	2.5	50	0.26	2.20	0.56	3.60	30	7.60
A744S19XX	4	56	0.31	2.80	0.64	4.40	45	4.71
A744S23XX	6	84	0.31	3.40	0.64	5.00	65	3.14
A744S27XX	10	80	0.41	4.50	0.80	6.50	110	1.82
A744S28XX	16	126	0.41	5.80	0.80	8.30	170	1.16
A744S30XX	25	196	0.41	7.20	1.04	10.40	265	0.743
A744S32XX	35	276	0.41	8.50	1.04	11.60	330	0.527
A744S34XX	50	396	0.41	10.50	1.20	13.50	510	0.368
A744S37XX	70	360	0.51	12.50	1.20	15.50	705	0.259
A744S38XX	95	475	0.51	14.80	1.28	18.00	920	0.196
A744S41XX	120	608	0.51	16.50	1.28	19.70	1160	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 ^{VI} Free	PBB Free	PBDE Free
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