

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.

Features

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

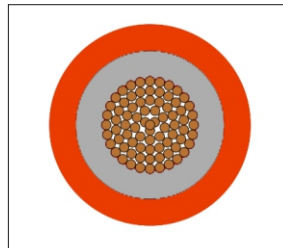
Product Construction

- ✓ Conductor : Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure C)
- ✓ Insulation : EVA (Thin wall)
- ✓ Outer Sheath : EBXL-XLPO- 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
- ✓ 4G : EVA
- ✓ 13X : EBXL-XLPO
- ✓ C : Asymmetrical (Structure C)
- ✓ Standard : ISO 6722 & Class E & LV 216-2

2D View



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

Automotive Cables

FHLR4G13X - 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 ² | nos. | mm | mm | mm | mm | mm | mm | kg/km | Ω/km |
| A739S06XX10 | 0.5 | 26 | 0.16 | 1.10 | 0.22 | 1.60 | 0.38 | 3.0 | 13 | 37.1 |
| A739S08XX10 | 0.75 | 38 | 0.16 | 1.30 | 0.24 | 1.90 | 0.38 | 3.4 | 16 | 24.7 |
| A739S10XX10 | 1 | 54 | 0.16 | 1.50 | 0.24 | 2.10 | 0.38 | 3.6 | 19 | 18.5 |
| A739S13XX10 | 1.5 | 76 | 0.16 | 1.70 | 0.24 | 2.40 | 0.38 | 3.9 | 25 | 12.7 |
| A739S16XX10 | 2.5 | 140 | 0.16 | 2.20 | 0.28 | 3.00 | 0.38 | 4.5 | 37 | 7.60 |
| A739S19XX10 | 4 | 224 | 0.16 | 2.80 | 0.32 | 3.70 | 0.38 | 5.2 | 55 | 4.71 |
| A739S23XX10 | 6 | 320 | 0.16 | 3.40 | 0.32 | 4.30 | 0.46 | 6.0 | 78 | 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 ⁶⁺ Free | PBB Free | PBDE Free |
|-----------|---------|---------|-----------------------|----------|-----------|

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