

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

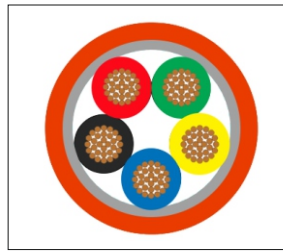
- ✓ High Flexibility
- ✓ High temperature resistance
- ✓ Low Mechanical loads

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

Product Construction

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- ✓ Insulation : EVA (Thin wall)
- ✓ Inner Sheath : EBXL-XLPO
- ✓ Outer Sheath : EBXL-XLPO - Orange
- ✓ Colour : As Per Customer Order.
- ✓ Multi Core

2D View



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

Automotive Cables **FHLR4G13X - B**

| 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 | kg/km | Ω/km | |
| A7410602 | 2C X 0.5 | 16 | 0.21 | 1.10 | 0.22 | 1.60 | 0.35 | 4.6 | 27 | 38.2 |
| A7410603 | 3C X 0.5 | 16 | 0.21 | 1.10 | 0.22 | 1.60 | 0.40 | 5.0 | 35 | 38.2 |
| A7410604 | 4C X 0.5 | 16 | 0.21 | 1.10 | 0.22 | 1.60 | 0.40 | 5.4 | 40 | 38.2 |
| A7410605 | 5C X 0.5 | 16 | 0.21 | 1.10 | 0.22 | 1.60 | 0.40 | 6.0 | 50 | 38.2 |
| A7410802 | 2C X 0.75 | 24 | 0.21 | 1.30 | 0.22 | 1.90 | 0.50 | 5.4 | 40 | 25.4 |
| A7410803 | 3C X 0.75 | 24 | 0.21 | 1.30 | 0.22 | 1.90 | 0.55 | 5.9 | 50 | 25.4 |
| A7410804 | 4C X 0.75 | 24 | 0.21 | 1.30 | 0.22 | 1.90 | 0.55 | 6.4 | 60 | 25.4 |
| A7410805 | 5C X 0.75 | 24 | 0.21 | 1.30 | 0.22 | 1.90 | 0.55 | 7.0 | 70 | 25.4 |
| A7411002 | 2C X 1 | 32 | 0.21 | 1.50 | 0.22 | 2.10 | 0.60 | 6.0 | 50 | 19.1 |
| A7411003 | 3C X 1 | 32 | 0.21 | 1.50 | 0.22 | 2.10 | 0.65 | 6.4 | 60 | 19.1 |
| A7411004 | 4C X 1 | 32 | 0.21 | 1.50 | 0.22 | 2.10 | 0.65 | 7.0 | 75 | 19.1 |
| A7411005 | 5C X 1 | 32 | 0.21 | 1.50 | 0.22 | 2.10 | 0.65 | 7.7 | 90 | 19.1 |
| A7411302 | 2C X 1.5 | 30 | 0.26 | 1.70 | 0.22 | 2.40 | 0.76 | 6.6 | 70 | 13.0 |
| A7411303 | 3C X 1.5 | 30 | 0.26 | 1.70 | 0.22 | 2.40 | 0.76 | 7.1 | 85 | 13.0 |
| A7411304 | 4C X 1.5 | 30 | 0.26 | 1.70 | 0.22 | 2.40 | 0.76 | 7.8 | 102 | 13.0 |
| A7411305 | 5C X 1.5 | 30 | 0.26 | 1.70 | 0.22 | 2.40 | 0.76 | 8.5 | 125 | 13.0 |
| A7411602 | 2C X 2.5 | 50 | 0.26 | 2.20 | 0.24 | 3.00 | 0.76 | 8.0 | 100 | 7.82 |
| A7411603 | 3C X 2.5 | 50 | 0.26 | 2.20 | 0.24 | 3.00 | 0.76 | 8.5 | 122 | 7.82 |
| A7411604 | 4C X 2.5 | 50 | 0.26 | 2.20 | 0.24 | 3.00 | 0.76 | 9.5 | 160 | 7.82 |
| A7411605 | 5C X 2.5 | 50 | 0.26 | 2.20 | 0.24 | 3.00 | 0.76 | 10.5 | 190 | 7.82 |
| A7411902 | 2C X 4 | 56 | 0.31 | 2.80 | 0.28 | 3.70 | 0.76 | 9.7 | 150 | 4.85 |
| A7411903 | 3C X 4 | 56 | 0.31 | 2.80 | 0.28 | 3.70 | 0.76 | 10.3 | 185 | 4.85 |
| A7411904 | 4C X 4 | 56 | 0.31 | 2.80 | 0.28 | 3.70 | 0.80 | 11.3 | 235 | 4.85 |
| A7411905 | 5C X 4 | 56 | 0.31 | 2.80 | 0.28 | 3.70 | 0.90 | 12.5 | 290 | 4.85 |
| A7412302 | 2C X 6 | 84 | 0.31 | 3.40 | 0.28 | 4.30 | 0.90 | 11.0 | 210 | 3.23 |
| A7412303 | 3C X 6 | 84 | 0.31 | 3.40 | 0.28 | 4.30 | 1.00 | 11.8 | 270 | 3.23 |
| A7412304 | 4C X 6 | 84 | 0.31 | 3.40 | 0.28 | 4.30 | 1.00 | 13.0 | 340 | 3.23 |
| A7412305 | 5C X 6 | 84 | 0.31 | 3.40 | 0.28 | 4.30 | 1.00 | 14.3 | 405 | 3.23 |

* 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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