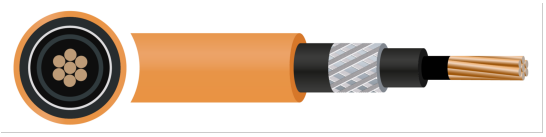
FHLR91XC13X and FHLR4GC13X Battery Cable



Description

Flexible Battery cable for use in electric and hybrid cars for power distribution within an EV system. Two harmonised codes cover the range of products. FHLR91XC13X ranging from 2.5mm to 6mm and FHLR4GC13X from 8mm up to 150mm. Having a TPE outer sheath makes It resistant to motor oil, fuels and hydrolysis, The cable is flame retardant with a high abrasion resistance. Due to the tinned wire copper braid screen, the cable is highly resistant to electromagnetic interference.

Key Features

Voltage Rating
Uo: 1000V AC
Vo: 1500V DC

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexing: 8 x overall diameter

Abrasion/Tear Resistance
Yes

Temperature Limits
-40°C to + 150°C (3000h)

Standards

- ISO 19642-9 (Class D)

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: 6mm and under: Cross-linked irradiation Polyolefin (XLPO)
  Above 6mm: Ethylene Vinyl Acetate (EVA)
- **Metallic Screen**: Tinned Copper Wire Braid (TCWB)
- **Tape**: Aluminium Tape
- **Outer Sheath**: Vulcanised Thermoplastic Elastomer (TPE-E)
- **Sheath Colour**: Orange

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

FHLR91XC13X and FHLR4GC13X Battery Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Nominal Conductor Diameter	Insulation Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
FHLR4GC13X1X25	25	1	189/0.41	6.7	0.75	11.2	330
FHLR4GC13X1X30	30	1	224/0.41	7.5	0.8	12.3	390
FHLR4GC13X1X35	35	1	273/0.41	8.0	0.9	12.8	450
FHLR4GC13X1X40	40	1	301/0.41	8.5	0.95	13.8	515
FHLR4GC13X1X50	50	1	385/0.41	9.5	1.0	15.0	645
FHLR4GC13X1X60	60	1	294/0.51	10.5	1.1	16.0	735
FHLR4GC13X1X70	70	1	360/0.51	11.5	1.2	17.0	860
FHLR4GC13X1X95	95	1	480/0.51	13.5	1.4	20.0	1155
FHLR4GC13X1X120	120	1	589/0.51	15.0	1.5	22.8	1455
FHLR4GC13X1X150	150	1	741/0.51	17.0	1.5	25.0	1775

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