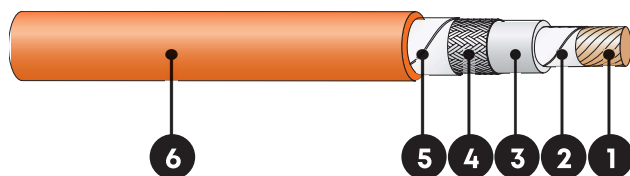


RADOX[®] screened single core cable (FHLR91XC13X and FHLR4GC13X)



Number of conductors	1
Cross section	1.5 to 150 mm ²
Voltage rating	1000 V AC/1500 V DC
Temperature range	-55 to +150 °C (3000 h)
Min. bending radius	4 × cable dia.

Composition of cable

1. Conductor	stranded bare copper
2. Tape	plastic
3. Insulation	RADOX 155S (91X) for 1.5, 2.5, 4.0, 6.0 mm ² RADOX 155 (4G) for > 6 mm ²
4. EMC screen	tin plated copper braid optimised
5. Tape	plastic (PEC)
6. Sheath	RADOX Elastomer S (13X), colour: orange

Characteristics and specialities

- Excellent high and low temperature resistance
- Ozone and weathering resistance
- Outstanding resistance against battery acid, diesel, various oils, engine coolant and window washer fluids
- Resistance against humidity, petrol and brake fluids
- Flame retardant
- Soldering iron resistant
- Easy to strip and process

Application

Screened power cable for use in hybrid and electrical vehicles.

Standards

Conductor	General
ISO 6722 -1, ISO 19642-9	ISO 6722, ISO 19642-9 class D, thin-wall
DIN EN 13602, Cu-ETP1-A (CW003A)	

For further technical details please refer to our data sheet STD 806104.



RADOX[®] screened single core cable (FHLR91XC13X and FHLR4GC13X)

Extract from our delivery programme

Cross section	Conductor				Cable				
Nominal mm ²	Number of ind. wires guide value	Dia. of ind. wires max. mm	Diameter max. mm	Resistance at 20 °C max. Ω /km	Diameter of insulation nom. mm	Diameter of screen max. mm	Overall-diameter nom. mm	Z _T at 30 MHz nom. m Ω /m	Weight nom. kg/100m
2.5	50	0.26	2.0	7.60	2.85	3.3	5.0 ± 0.2	100	4.9
4	56	0.31	2.5	4.71	3.55	4.0	5.8 ± 0.2	110	7.0
6	84	0.31	3.0	3.14	4.15	4.7	6.6 ± 0.3	70	9.8
8	60	0.41	3.8	2.38	5.05	5.6	7.6 ± 0.3	40	12.5
10	78	0.41	4.3	1.82	5.75	6.3	8.4 ± 0.3	30	15.8
12	92	0.41	4.7	1.52	6.10	6.7	8.9 ± 0.3	30	17.9
16	126	0.41	5.4	1.16	6.90	7.5	9.7 ± 0.3	40	23.0
20	154	0.41	6.2	0.955	7.60	8.3	10.6 ± 0.3	30	28.2
25	189	0.41	6.7	0.743	8.20	8.9	11.2 ± 0.3	40	32.8
30	224	0.41	7.4	0.647	9.10	9.8	12.1 ± 0.3	30	38.5
35	273	0.41	7.9	0.527	9.70	10.4	12.7 ± 0.3	60	44.7
40	301	0.41	8.5	0.473	10.40	11.3	13.6 ± 0.3	20	51.3
50	385	0.41	9.4	0.368	11.50	12.6	14.9 ± 0.3	30	64.2
60	294	0.51	10.6	0.315	12.60	13.5	15.9 ± 0.3	30	73.1
70	360	0.51	11.6	0.259	13.70	14.6	17.0 ± 0.3	30	85.8
95	480	0.51	13.5	0.196	16.20	17.3	19.9 ± 0.4	20	115.3
120	589	0.51	15.1	0.153	18.00	19.1	22.6 ± 0.4	20	145.5
150	741	0.51	17.0	0.122	20.00	21.3	24.9 ± 0.5	30	177.4

Datasheet TD 806104

