

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



Number of conductors	2 to 5
Cross section	1.5 to 70 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. Insulation	RADOX 155S (91X) or RADOX 155 (4G)
3. EMC screen	tin plated copper braid optimised
4. Tape	plastic or aluminium screen (optional)
5. 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	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 806686.



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Extract from our delivery programme

Cable type	Conductor			Cores	Cable				
Nominal n × mm ²	Number of ind. wires guide value	Dia. of ind. wires max. mm	Conductor diameter max. mm	Diameter of cores nom. mm	Resistance at 20 °C max. Ω/km	Diameter of screen max. mm	Overall-diameter nom. mm	Z _T at 30 MHz nom. mΩ/m	Weight nom. kg/100m
2 × 2.5	50	0.26	2.2	2.85	7.98	6.3	8.4 ± 0.3	50	12.0
2 × 4	56	0.31	2.6	3.55	4.95	7.8	10.2 ± 0.3	30	18.2
2 × 6	84	0.31	3.1	4.15	3.30	9.0	11.0 ± 0.35	50	22.5
2 × 8	60	0.41	3.8	5.05	2.50	11.0	12.8 ± 0.4	40	31.1
2 × 10	78	0.41	4.3	5.75	1.91	12.4	14.4 ± 0.4	40	40.5
3 × 2.5	50	0.26	2.2	2.85	7.98	6.8	8.4 ± 0.3	70	14.4
3 × 4	56	0.31	2.6	3.55	4.95	8.4	10.1 ± 0.4	80	21.0
3 × 6	84	0.31	3.1	4.15	3.30	10.0	12.4 ± 0.4	70	32.2
3 × 10	78	0.41	4.3	5.75	1.91	13.4	15.8 ± 0.5	30	49.6
3 × 16	126	0.41	5.4	6.90	1.21	16.0	18.5 ± 0.5	30	75.1
3 × 35	273	0.41	7.9	9.70	0.554	22.5	24.9 ± 0.5	140	148.8
4 × 2.5	50	0.26	2.2	2.85	7.98	7.6	9.2 ± 0.3	40	18.1
4 × 4	56	0.31	2.6	3.55	4.95	9.3	11.3 ± 0.4	50	26.5
4 × 6	84	0.31	3.1	4.15	3.30	11.0	12.9 ± 0.4	50	37.6
4 × 10	78	0.41	4.3	5.75	1.91	15.0	17.1 ± 0.5	40	64.7
5 × 4	56	0.31	2.6	3.55	4.95	10.8	13.3 ± 0.4	70	36.2
5 × 6	84	0.31	3.1	4.15	3.30	12.4	14.4 ± 0.4	30	47.0

Datasheet TD 806686

