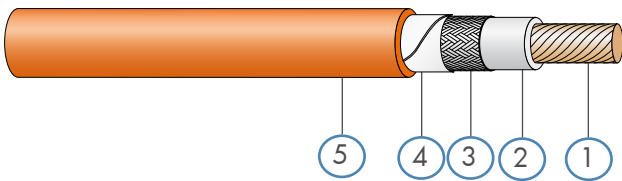


RADOX® SCREENED BATTERY CABLE

Number of conductors	1 (also available as multicore cable)
Cross section	2.5 - 120 mm ²
Voltage rating	600 / 1000 V AC
Temperature range	(-70°C) -40°C to +150°C (3000 h)
Min. bending radius	4 x cable dia.



Composition of cable

1. Conductor	stranded bare copper
2. Insulation	RADOX® 155S for 2.5, 4.0, 6.0 mm ² ; RADOX® Elastomer S for > 6 mm ²
3. EMC-Screen	Tin plated copper braid optimised
4. Tape	Plastic
5. Sheath	RADOX® Elastomer S, 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 vehicles.

Standards

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

For further technical details please refer to our data sheet.

RADOX® SCREENED BATTERY CABLE

Extract from our delivery programme

Cross-section mm ²	Conductor			Core				Weight kg/100 m nom.
	construction* n x mm	Diameter max. mm	resistance @ 20 °C max. Ω/km	Diameter of insulation nom. mm	Diameter of screen max. mm	Overall-Diameter nom. mm	Z _T @ <30MHz nom. m Ω/m	
2.5	50 x 0.26	2.2	7.6	2.85	3.3	5.0 ± 0.3	100	4.8
4	56 x 0.31	2.75	4.71	3.55	4.0	5.8 ± 0.3	80	7.1
6	84 x 0.31	3.3	3.14	4.15	4.7	6.6 ± 0.3	70	10.0
10	78 x 0.41	4.3	1.82	5.75	6.3	8.4 ± 0.3	70	15.6
16	126 x 0.41	5.5	1.16	6.90	7.5	9.8 ± 0.3	50	23.0
25	189 x 0.41	6.7	0.743	8.20	8.9	11.2 ± 0.3	50	33.0
35	273 x 0.41	7.9	0.527	9.70	10.4	12.7 ± 0.3	30	44.5
50	385 x 0.41	9.4	0.368	11.5	12.6	14.9 ± 0.3	30	61.0
70	360 x 0.51	11.6	0.259	13.7	14.5	17.0 ± 0.3	20	85.0
95	468 x 0.51	13.7	0.196	16.0	17.1	19.6 ± 0.4	20	109

multicore cable designs on request

* typical value x max. single wire diameter