



Automotive cable, flexible, thickwall

RADOX Elastomer S Battery Cable

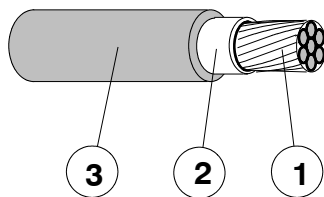
General Properties:

Excellent resistance to high and low temperature, ozone, UV and weathering resistance, resistant to pressure at high temperature, motor oil, fuels and hydrolysis, flame retardant, high abrasion resistant, solder iron resistant, easy to strip and process, according to ISO 6722- 1 class D thickwall, ISO 19642- 5 class D thickwall.

Complies with EU- directive 2000/53/EG on end of life vehicles. All materials are free from lead, mercury, cadmium and chrome VI.

Application:

ADR approved battery cable, for use in road vehicle applications.



1. Conductor: Bare copper, stranded
2. Coverage: Tape
3. Insulation: RADOX Elastomer S (13X)
extruded irradiation crosslinked copolymer
Colours: BK, BN, BU, GN, GY, OG, PK, RD, VT, WH, YE

Technical Data:

Voltage rating	U_0	1000	V AC
Voltage rating	V_0	1500	V DC
Test voltage, 50 Hz, 5 min.		10	kV AC
Temperature range (3000 h)		- 40 ... + 150	°C
Min. bending radius	fixed	3 x cable D	
	flexing	5 x cable D	

Cross-section Nominal mm ²	Conductor				Cable		
	Number of individual wires Guide value	Diameter of individual wires max. mm	Diameter max. mm	Resistance at 20° C max. Ω/km	Wall thickness min. mm	Weight nom. kg/100 m	Diameter nom. mm
6	84	0.31	3.1	3.14	0.64	6.7	4.80 ± 0.20
8	60	0.41	3.8	2.38	0.64	8.6	5.50 ± 0.20
10	78	0.41	4.3	1.82	0.80	11.4	6.30 ± 0.20
16	126	0.41	5.4	1.16	1.10	18.6	8.10 ± 0.20
25	189	0.41	6.7	0.743	1.40	28.3	10.15 ± 0.25
35	273	0.41	7.9	0.527	1.40	39.1	11.35 ± 0.25
50	385	0.41	9.4	0.368	1.60	54.4	13.25 ± 0.25
70	360	0.51	11.6	0.259	1.45	75.0	15.20 ± 0.30
95	480	0.51	13.5	0.196	1.70	100.2	17.70 ± 0.30
120	589	0.51	15.1	0.153	1.35	117.8	18.50 ± 0.30

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The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

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