



Automotive cable, flexible

RADOX 155 (FLR4G and FHLR4G)

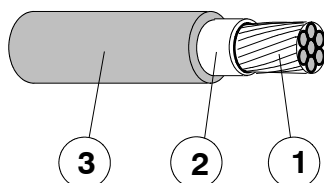
General Properties:

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, ISO 19642- 5 class D.

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 155 (4G)
extruded irradiation crosslinked polyolefin
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	Conductor				Cable		
	Nominal mm ²	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 Nominal kg/100 m
8	60	0.41	3.8	2.38	0.40	8.0	5.05 ± 0.15
10	78	0.41	4.3	1.82	0.50	10.5	5.75 ± 0.20
12	92	0.41	4.7	1.52	0.50	12.0	6.10 ± 0.20
16	126	0.41	5.4	1.16	0.52	16.5	6.90 ± 0.20
20	154	0.41	6.2	0.955	0.52	20.0	7.60 ± 0.20
25	189	0.41	6.7	0.743	0.55	24.2	8.20 ± 0.20
30	224	0.41	7.4	0.647	0.64	29.0	9.10 ± 0.25
35	273	0.41	7.9	0.527	0.65	35.0	9.70 ± 0.25
40	301	0.41	8.5	0.473	0.73	38.7	10.40 ± 0.25
50	385	0.41	9.4	0.368	0.80	49.2	11.50 ± 0.25
60	294	0.51	10.6	0.315	0.80	57.8	12.60 ± 0.25
70	360	0.51	11.6	0.259	0.80	69.7	13.70 ± 0.25
95	480	0.51	13.5	0.196	0.90	93.8	16.20 ± 0.30
120	589	0.51	15.1	0.153	0.90	114.7	18.00 ± 0.30
150	741	0.51	17.0	0.122	1.00	143.4	20.00 ± 0.30

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