



Automotive cable, flexible

RADOX 155S FLR (FLR91X and FHLR91X)

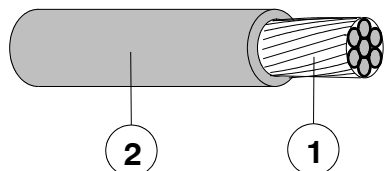
General Properties:

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- 3 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:

Cable, for use in road vehicle applications.



1. Conductor: Tinned or bare copper, stranded
2. Insulation: RADOX 155S (91X)
extruded irradiation crosslinked polyolefin
Colours: BK, BN, BU, GN, GY, OG, PK, RD, VT, WH, YE

Technical Data:

Voltage rating DC	< 0.5 mm ²	60 V
	≥ 0.5 mm ²	1500 V
Test voltage AC	< 0.5 mm ²	3000 V
	≥ 0.5 mm ²	5000 V
	> 0.5 mm ²	8000 V
Temperature range (3000 h)		- 40 ... +150 °C
Min. bending radius		3 x cable D

Dimensions according to ISO 6722- 1 / ISO 19642, structure A

Cross-section	Conductor				Core	
	Nominal mm ²	Number of individual wires	Diameter of individual wires max. mm	Diameter max. mm	Resistance at 20° C max Ω/km tinned bare	Wall thickness min. mm Diameter mm
0.35	7	0.26	0.8	55.5	54.4	0.20 1.25 ± 0.05
0.5	19	0.19	1.0	38.2	37.1	0.22 1.5 ± 0.1
0.75	19	0.23	1.2	25.4	24.7	0.24 1.8 ± 0.1
1	19	0.26	1.3	19.1	18.5	0.24 2.0 ± 0.1
1.5	19	0.32	1.7	13.0	12.7	0.24 2.3 ± 0.1
2.5	19	0.41	2.2	7.82	7.60	0.28 2.85 ± 0.15
2.5	37	0.29	2.2	7.82	7.60	0.28 2.85 ± 0.15
4	37	0.38	2.6	4.85	4.71	0.32 3.55 ± 0.15
6	37	0.45	3.1	3.23	3.14	0.32 4.15 ± 0.15

Dimensions according to ISO 6722- 1 / ISO 19642, structure B

Cross-section	Conductor				Core	
	Nominal mm ²	Number of individual wires	Diameter of individual wires max. mm	Diameter max. mm	Resistance at 20° C max Ω/km tinned bare	Wall thickness min. mm Diameter mm
0.75	24	0.21	1.2	25.4	24.7	0.24 1.8 ± 0.1
1	32	0.21	1.3	19.1	18.5	0.24 2.0 ± 0.1
1.5	30	0.26	1.7	13.0	12.7	0.24 2.3 ± 0.1
2.5	50	0.26	2.2	7.82	7.60	0.28 2.85 ± 0.15
4	56	0.31	2.6	4.85	4.71	0.32 3.55 ± 0.15
6	84	0.31	3.1	3.23	3.14	0.32 4.15 ± 0.15

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