

RADOX Elastomer S High Flexible (FLR13X and FHLR13X)

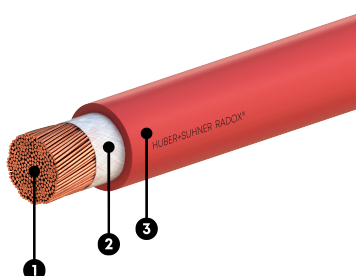
Automotive cable, high flexible

Properties

- Excellent resistance to :
 - High and low temperature
 - Ozone, UV and weathering resistance
 - Resistant to pressure at high temperature.
 - Motor oil, fuels & hydrolysis
 - Flame retardant, high abrasion resistant and solder iron resistant
 - Easy to strip and to process
 - Design according to ISO 19642-5 (structure C) & ECER118 approved
 - Complies with EU- directive 2000/53/EG on end-of-life vehicles
 - All materials are free from lead, mercury, cadmium, PFAS and chrome VI.

Application

Cable, for use in on-road & off-road vehicle applications



Construction		
1.	Conductor	Bare copper stranded acc. to ISO 19642- 5, flexible (structure C)
2.	Coverage	Tape
3.	Insulation	RADOX Elastomer S (13X) extruded irradiation crosslinked copolymer
	Colours	Various

Technical data- electrical	
Voltage rating AC	U ₀ 600 V AC
Voltage rating DC	V ₀ 900 V DC
Test voltage, 50Hz, 5min	3500 V AC
	8400 V DC

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Technical data- mechanical	
Temperature range (3000h)	-40 °C ... +150°C
Min. bending radius fixed	3 x D
Min. bending radius flexing	5 x D

Core Size [mm ²]	Conductor			Wall Thickness min. [mm]	Cable ø nom. [mm]	Cable weight Tolerance ±3% nom. [kg/100m]	Colour	H+S Part No.
	Type nom. [nxmm]	ø max. [mm]	R ₂₀ max. [Ω/km]					
1x16	490x0.21	5.4	1.16	0.52	6.8±0.2	16.7	Black	85200060
1x16	490x0.21	5.4	1.16	0.52	6.8±0.2	16.7	Red	85031752
1x25	760x0.21	7.1	0.743	0.52	8.45±0.25	25	Red	85017332
1x35	1064x0.21	8.2	0.527	0.64	10.15±0.25	35.5	Red	85017333
1x50	1520x0.21	9.9	0.368	0.71	11.95±0.25	50.3	Red	85017336
1x70	2146x0.21	11.6	0.259	0.8	14.1±0.3	69.6	Red	85017338
1x95	2849x0.21	13.3	0.196	0.9	16.4±0.3	93.5	Black	85163480
1x95	2849x0.21	13.3	0.196	0.9	16.4±0.3	93.5	Red	85017339
1x120	3538x0.21	15.3	0.153	1.28	19.4±0.3	120.1	Black	85226366
1x120	3538x0.21	15.3	0.153	1.28	19.4±0.3	120.1	Red	85017340

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