

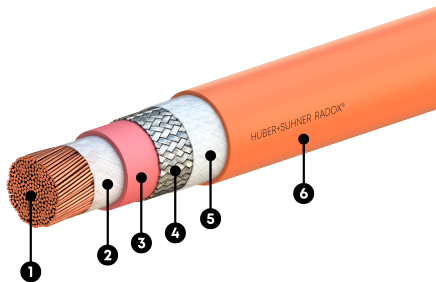
RADOX 155 / RADOX Elastomer S (FHLR4GC13X)
Automotive cable, single-core, screened, high flexible

Properties

- Excellent resistance to:
- High and low temperature
- Ozone, UV and weathering resistance
- To pressure at high temperature
- Motor oil, fuels and hydrolysis
- Sheath is flame retardant, high abrasion resistant and solder iron resistant
- Cable is easy to strip and to process
- Design according to ISO 19642-5 (structure B) and ECE R118 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 according to ISO 19642-9, flexible
2.	Coverage	Tape
3.	Insulation	RADOX 155 (4G)
	Colour	Red
4.	EMC-screen	Tin plated copper braid optimized
5.	Wrapping	Tape
6.	Sheath	RADOX Elastomer S (13X)
	Colour	Orange

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Marking		
H+S [a] - [b] ⚡ ATTENTION HIGH VOLTAGE MAX 1000VAC/1500VDC ⚡		
		Example:
[a]	H+S part number	12345678
[b]	H+S production lot number	1234567

Technical data- electrical	
Voltage rating AC	U ₀ 1000 V AC
Voltage rating DC	V ₀ 1500 V DC
Test voltage, 50Hz, 5min	10000 V AC

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

RADOX 155 / RADOX Elastomer S (FHLR4GC13X)										
Core Size	Conductor			Wall Thickness	Insulator ø	Screen ø	Cable ø	Z _T at 30 MHz	Cable weight nom. Tolerance ±3%	H+S Part No.
	Type	ø	R ₂₀							
	nom. [nxmm]	max. [mm]	max. [Ω/km]	min. [mm]	nom. [mm]	max. [mm]	nom. [mm]	nom. [mΩ/m]	nom. [kg/100m]	
1 X 35.0	1070X0.21	8.3	0.527	0.63	10	11.2	12.9±0.3	40	46.1	85128292
1 X 50.0	1520X0.21	9.9	0.368	0.7	11.8	13	14.9±0.3	30	63.1	85128294
1 X 70.0	2146X0.21	11.8	0.259	0.76	13.9	15.1	17±0.4	30	85.2	85010927
1 X 95.0	2849X0.21	13.4	0.196	1.03	16.1	17.5	19.5±0.4	20	113.7	85010928
1 X 120.0	3538X0.21	15.3	0.153	1.52	19.1	20.5	22.6±0.4	50	141.2	85010929
1 X 150.0	2960X0.26	17.2	0.122	1.56	21.1	22.5	25±0.5	20	175.9	85163659
1 X 185.0	3660X0.26	18.5	0.099	1.6	22.5	23.9	26.6±0.5	20	211.3	85228580

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