

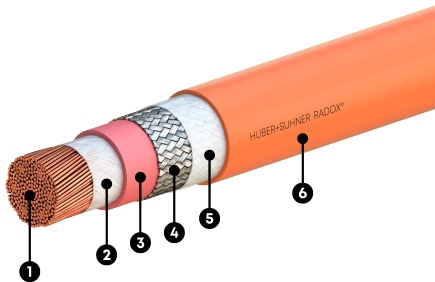
RADOX 155(S) / RADOX Elastomer S (FHLR91XC13X and FHLR4GC13X)
Automotive cable, single-core, screened, flexible

Properties

- Excellent resistance to :
- High and low temperature
- Ozone, UV and weathering resistance
- To pressure at high temperature
- Motor oil, fuels and hydrolysis
- Design according to ISO 19642-9 class D, ISO 6722-1 class D, ADR and 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 6722-1 / ISO 19642-9, structure B
2.	Coverage	Tape $\geq 8\text{ mm}^2$
3.	Insulation	RADOX 155S (91X) for $\leq 6\text{ mm}^2$
	Colour	RADOX 155 (4G) for $> 6\text{ mm}^2$
4.	Colour	Red
4.	EMC-screen	Tin plated copper braid optimized
5.	Wrapping	Tape
6.	Sheath	RADOX Elastomer S (13X)
	Colour	Orange

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

RADOX 155(S) / RADOX Elastomer S (FHLR91XC13X and FHLR4GC13X)

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Marking		
[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	4 x D
Min. bending radius flexing	6 x D

RADOX 155(S)/ RADOX Elastomer S (FHLR91XC13X and FHLR4GC13X)										
Core Size [mm²]	Conductor			Wall Thickness [mm]	Insulation ø [mm]	Screen ø [mm]	Cable ø [mm]	Z _T at 30 MHz nom. [mΩ/m]	Cable weight nom. Tolerance ±3% [kg/100m]	H+S Part No.
	Type nom.	ø max.	R ₂₀ max.							
	[n x mm]	[mm]	[Ω/km]							
1 X 2.5	50X0.26	2	7.6	0.32	2.85	3.5	5±0.2	150	4.9	12582675**/**
1 X 4.0	56X0.31	2.5	4.71	0.4	3.55	4.2	5.8±0.2	110	7	12582674
1 X 6.0	84X0.31	3	3.14	0.45	4.15	4.9	6.6±0.3	70	9.8	12582309
1 X 8.0	60X0.41	3.8	2.38	0.47	5.05	5.8	7.6±0.3	40	12.5	84119801
1 X 10.0	78X0.41	4.3	1.82	0.52	5.75	6.5	8.4±0.3	30	15.8	84100295
1 X 12.0	92 X 0.41	4.7	1.52	0.52	6.1	6.7	8.9±0.3	30	17.9	84119803
1 X 16.0	126X0.41	5.4	1.16	0.54	6.9	7.7	9.7±0.3	40	23	84116032
1 X 25.0	189X0.41	6.7	0.743	0.57	8.2	9.1	11.2±0.3	40	32.8	84100604
1 X 35.0	273X0.41	7.9	0.527	0.65	9.7	10.7	12.7±0.3	60	44.7	84100296
1 X 50.0	385X0.41	9.4	0.368	0.78	11.5	12.9	14.9±0.3	30	64.2	84096257
1 X 70.0	360X0.51	11.6	0.259	0.8	13.7	14.9	17±0.3	30	85.8	84100298
1 X 95.0	480X0.51	13.5	0.196	1.03	16.2	17.6	19.9±0.4	20	115.3	84100299
1 X 120.0	589X0.51	15.1	0.153	1.12	18	19.4	22.6±0.4	20	145.5	84103410
1 X 150.0	741X0.51	17	0.122	1.16	20	21.6	24.9±0.5	30	177.4	84111254***

**Insulation colour black

***Not part of DNV approval

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