

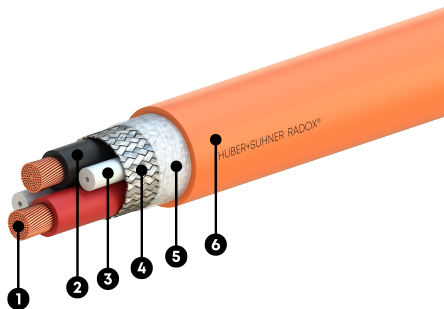
RADOX Elastomer S (FHLR91XC13X and FHLR4GC13X)
Automotive cable, multi-core, screened

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 19642-9 class D, ISO 6722-1 class D, ADR and R118 approved
- Flame retardant, high abrasion resistance, solder iron resistant.
- 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.	Insulation	RADOX 155S (91X) for $\leq 6 \text{ mm}^2$
	Colour	RADOX 155 (4G) for $> 6 \text{ mm}^2$
3.	Fillers	See table
4.	EMC-screen	RADOX
5.	Wrapping	Tin plated copper braid optimised
6.	Sheath	Tape
	Colour	RADOX Elastomer S (13X)
		Orange

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Marking

HUBER+SUHNER RADOX [a] - [b] 4 ATTENTION HIGH VOLTAGE MAX 1000VAC/1500VDC 4

		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	4 x D
Min. bending radius flexing	6 x D

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Cable	Conductor			Core		Screen	Cable	Z _T at	Cable weight	* H+S
Type	Type	ø	R ₂₀	ø	* Colours	ø	ø	30 MHz	nom.	Part No.
nom.	max.	max.	max.	nom.		max.	nom.	nom.	Tolerance ±3%	
[n x mm ²]	[n x mm]	[mm]	[Ω/km]	[mm]		[mm]	[mm]	[mΩ/m]	[kg/100m]	
2 X 2.5	50X0.26	2.2	7.98	2.85	RD,BK	6.6	8.4±0.3	50	12	12582307
2 X 4	56X0.31	2.6	5.09	3.55	RD,BK	8.1	10.2±0.3	30	18.2	12582308**
2 X 6	84X0.31	3.1	3.3	4.15	RD,BK	9.3	11±0.3	50	23.1	12584915
2 X 8	60X0.41	3.8	2.5	5.05	RD,BK	11.3	12.8±0.4	40	31.1	85028256
2 X 10	78X0.41	4.3	1.91	5.75	RD,BK	12.8	14.4±0.4	40	40.5	84152097
3 X 2.5	50X0.26	2.2	7.6	2.85	BU,B N,YEGN	7.1	8.4±0.3	70	14.5	84132059
3 X 4	56X0.31	2.6	4.95	3.55	RD numbered1...3	8.7	10.1±0.4	80	21.2	84090304
3 X 6	84X0.31	3.1	3.14	4.15	BU,BN,YEGN	10.3	12.4±0.4	70	32.2	85025197
3 X 10	78X0.41	4.3	1.91	5.75	BK,BN,GY	13.8	15.8±0.5	30	50.9	84096753
3X16	126X0.41	5.4	1.21	6.9	RDnumbered1...3	16.4	18.5±0.5	30	76.3	84111065
3 X 35	273X0.41	7.9	0.554	9.7	RD numbered1...3	22.8	24.9±0.5	140	148.8	84095538
4 X 2.5	50X0.26	2.2	7.98	2.85	RD numbered1...3,BK	7.9	9.2±0.3	40	18.4	12585651
4 X 4	56X0.31	2.6	4.71	3.55	RD numbered1...4,BK	9.6	11.3±0.4	50	27	12585652
4 X 6	84X0.31	3.1	3.3	4.15	RD 1...3 numbered, BK	11.3	12.9±0.4	50	37.6	85070512
4 X 10	78X0.41	4.3	1.91	5.75	BK numbered1...4	15.4	17.1±0.5	40	64.7	84137053
										84106076
5 X 4	56X0.31	2.6	4.95	3.55	RD numbered1...5	12.2	13.3±0.4	70	36.2	12585883
5 X 6	84X0.31	3.1	3.3	4.15	RD,BN,BU,BK,GY	13.7	14.4±0.4	30	47	84130729

* Only part-no. with other core colours are available on request.

** This H+S item 12582308 is constructed with stranded tin plated conductor. Bare copper version are available on request.

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
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