



Automotive cable, multi-core, screened

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

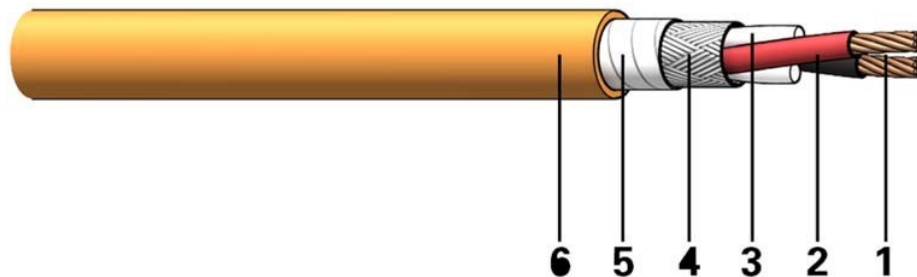
General Properties:

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- 9 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: Bare copper, stranded acc. to ISO 6722-1 / ISO 19642- 9, structure B
- 2. Insulation: RADOX 155S (91X) for $\leq 6 \text{ mm}^2$
RADOX 155 (4G) for $> 6 \text{ mm}^2$
- 3. Fillers: RADOX
- 4. EMC- screen: Tin plated copper braid optimised
- 5. Wrapping: Tape
- 6. Sheath: RADOX Elastomer S (13X), colour: orange

Printing on sheath: H+S XXXXXXXX - %%%% % ↓ ATTENTION HIGH VOLTAGE MAX 1000VAC/1500VDC

Production lot number

Item number

Technical Data:

Voltage rating	U_0	1000	V AC
Voltage rating	V_0	1500	V DC
Test voltage, 50 Hz, 5 min.		10	kV AC
Temperature range (3000 h)		- 40 ... + 150	°C
Min. bending radius	fixed	4 x cable D	
	flexing	6 x cable D	

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The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

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Cable type	Conductor			Cores	Resistance at 20 °C max. Ω/km	* Core Colours	Cable					* H + S Part No.
	Number of individual wires Guide value	Diameter of individual wires max. mm	Conductor diameter max. mm				Diameter of screen max. mm	Overall-Diameter nom. mm	Z _T at 30 MHz Nominal mΩ/m	Weight Nominal kg/100m		
2 x 2.5	50	0.26	2.2	2.85	7.98	RD, BK	6.3	8.4 ± 0.3	50	12.0	12 582 307	
2 x 4	56	0.31	2.6	3.55	4.95	RD, BK	7.8	10.2 ± 0.3	30	18.2	12 582 308	
2 x 6	84	0.31	3.1	4.15	3.30	RD, BK	9.0	11.0 ± 0.4	50	22.5	12 584 915	
2 x 8	60	0.41	3.8	5.05	2.50	RD, BK	11.0	12.8 ± 0.4	40	31.1	85 028 256	
2 x 10	78	0.41	4.3	5.75	1.91	RD, BK	12.4	14.4 ± 0.4	40	40.5	84 152 097	
3 x 2.5	50	0.26	2.2	2.85	7.98	BU, BN, YEGN	6.8	8.4 ± 0.3	70	14.4	84 132 059	
3 x 4	56	0.31	2.6	3.55	4.95	RD numbered 1...3	8.4	10.1 ± 0.4	80	21.0	84 090 304	
3 x 6	84	0.31	3.1	4.15	3.30	BU, BN, YEGN	10.0	12.4 ± 0.4	70	32.2	85 025 197	
3 x 10	78	0.41	4.3	5.75	1.91	BK, BN, GY	13.4	15.8 ± 0.5	30	49.6	84 096 753	
3 x 16	126	0.41	5.4	6.90	1.21	RD numbered 1...3	16.0	18.5 ± 0.5	30	75.1	84 111 065	
3 x 35	273	0.41	7.9	9.70	0.554	RD numbered 1...3	22.5	24.9 ± 0.5	140	148.8	84 095 538	
4 x 2.5	50	0.26	2.2	2.85	7.98	RD numbered 1...3, BK	7.6	9.2 ± 0.3	40	18.1	12 585 651	
4 x 4	56	0.31	2.6	3.55	4.95	RD numbered 1...4, BK	9.3	11.3 ± 0.4	50	26.5	12 585 652	
4 x 6	84	0.31	3.1	4.15	3.30	RD, BK numbered 1...3	11.0	12.9 ± 0.4	50	37.6	85 070 512	
4 x 10	78	0.41	4.3	5.75	1.91	BK numbered 1...4	15.0	17.1 ± 0.5	40	64.7	84 137 053	
5 x 4	56	0.31	2.6	3.55	4.95	RD numbered 1...5	10.8	13.3 ± 0.4	70	36.2	12 585 883	
5 x 6	84	0.31	3.1	4.15	3.30	RD, BN, BU, BK, GY	12.4	14.4 ± 0.4	30	47.0	84 130 729	

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