



Automotive cable screened **FLR91XC33X-2x2.5 T150** **2 x 2.5 mm² / RADOX 155S FLR / RADOX Elastomer S**

General Properties:

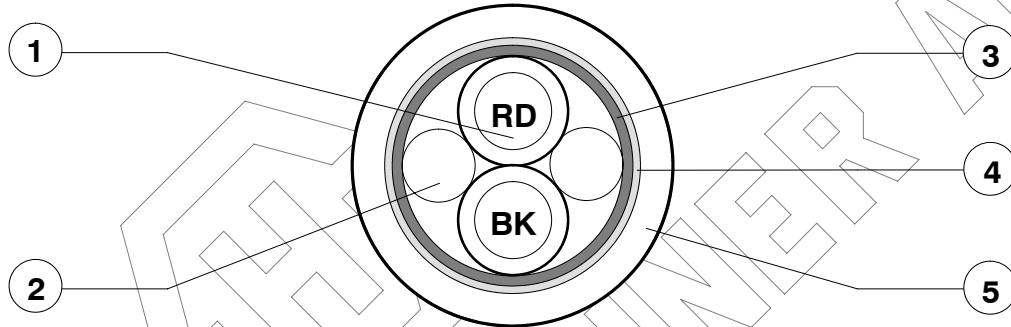
Excellent resistance to high and low temperature, ozone and weathering resistance, resistant to pressure at high temperature, motor oil, fuels and hydrolysis, flame retardant, high abrasion resistant, solder iron resistant, easy to strip and process, according to ISO 6722 class D, ISO 14572.

Complies with EU-directive 2000/53/EG on end of life vehicles. It is free from lead, mercury, cadmium and chrome VI.

Application:

Low voltage cable, for use in road vehicle applications.

CAUTION Special care shall be taken for cables used with voltages above 60 VDC to protect them from mechanical stress in order to avoid shock hazard (ISO 6722 : 2006).



- | | | | |
|----|--|--|-------------------------------------|
| 1. | 2 Cores 2.5 mm ²
Type RADOX 155S FLR-B | Conductor: stranded bare copper
Insulation: RADOX 155S
Colours: red, black | 50 x 0.25 mm D
D: 2.85 ± 0.15 mm |
| 2. | 2 Fillers | RADOX | |
| 3. | EMC-screen optimised | Tin plated copper braid | D: 6.3 mm |
| 4. | Wrapping | Tape | |
| 5. | Sheath | RADOX Elastomer S, colour: orange | D: 8.4 ± 0.3 mm |

Technical Data:

Conductor resistance at 20 °C	.....	≤ 7.87	.....	Ω / km
Voltage rating cond.-earth	..... U ₀	600	.....	V AC
Voltage rating cond.-cond.	..... U	1'000	.....	V AC
maximum permissible Voltage rating AC cond.-earth	.....	720	.....	V AC
maximum permissible Voltage rating AC cond.-cond.	..... U _m	1'200	.....	V AC
maximum permissible Voltage rating DC cond.-earth	..... V ₀	900	.....	V DC
maximum permissible Voltage rating DC cond.-cond.	.....	1'500	.....	V DC
Test voltage, 50-Hz, 1 min.	.....	3.5	.....	kV AC
	.....	8.4	.....	kV DC
Transferimpedance	..... f = 10 kHz	≤ 12	.....	mΩ/m
	..... f = 1 MHz	≤ 12	.....	mΩ/m
	..... f = 10 MHz	≤ 15	.....	mΩ/m
	..... f = 100 MHz	≤ 120	.....	mΩ/m
Screening attenuation	..... f = 10 kHz	≥ 74	.....	dB
	..... f = 1 MHz	≥ 74	.....	dB
	..... f = 10 MHz	≥ 72	.....	dB
	..... f = 100 MHz	≥ 54	.....	dB
Temperature range (3'000 h)	.....	- 40 ... + 150	.....	°C
Min. bending radius	..... fixed	4 x cable D	.....
	..... flexing	6 x cable D	.....
Cable weight per 100 m	.....	approx. 12.0	.....	kg

Copyright 2011 Huber + Suhner AG. This document may not be copied nor be passed on to third parties without our written permission
 Uncontrolled copy when printed [will not be updated].

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.

HUBER+SUHNER AG
 Low Frequency Division

CH-8330 Pfäffikon

+41 (0)44 952 22 11

+41 (0)44 952 26 40

www.hubersuhner.com