



# RADOX® 155S FLR

## Automotive single core cable

**Low voltage cable for road vehicles, Class D according to ISO 6722, temperature rating -40°C to +150°C**

An ever increasing use of sensors, higher operating temperatures and restricted space are typical in today's motor compartments. RADOX® 155S FLR has been developed with these specific requirements in mind.

RADOX® 155S FLR is a Class D temperature range cable with reduced outer diameter. It has superb resistance to motor oils, fluids and hydrolysis.

Thanks to its electron beam crosslinked RADOX® insulation this cable has excellent resistance to extremes of temperature and abrasion even with reduced outer diameter. Furthermore RADOX® 155S FLR has outstanding electrical characteristics.

The characteristics of RADOX® 155S FLR cable make it ideal for use in a wide range of applications where space is at a premium and where cables are subjected to high temperatures. Even high humidity levels and motor vehicle fluids do not negatively affect the lifetime of the cable.

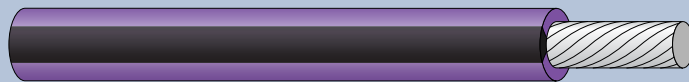
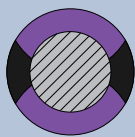
- Operating temperature range -40 to +150°C
- Reduced outer diameter
- Resistant to motor fluids, fuels
- Hydrolysis resistant
- Resistant to pressure at high temperatures
- High abrasion resistance
- Excellent electrical characteristics

These products are manufactured in a QS-9000 certified work site.



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## Automotive single core cable



Conductor: stranded, tin plated copper, flexible  
 Insulation: RADOX® 155S, crosslinked polyolefin, various colors

### Type A (DIN 72551; P.6)

Cross-section mm <sup>2</sup>	No. of wires	Wire dia. max. mm	Conductor dia. max. mm	Resistance at 20°C Ω/km	Insulation wall thckn. min. mm	Cable dia. mm	Weight nom. kg/100 m
0.35	7	0.26	0.8	54.5	0.20	1.25 ± 0.05	0.4
0.50	19	0.19	1.0	38.2	0.22	1.50 ± 0.10	0.6
0.75	19	0.23	1.2	25.4	0.24	1.80 ± 0.10	0.9
1.0	19	0.26	1.35	19.1	0.24	2.00 ± 0.10	1.1
1.5	19	0.32	1.7	13.0	0.24	2.30 ± 0.10	1.6
2.5	19	0.41	2.2	7.8	0.28	2.85 ± 0.15	2.6

### Type B (DIN 72551; P.6)

Cross-section mm <sup>2</sup>	No. of wires	Wire dia. max. mm	Conductor dia. max. mm	Resistance at 20°C Ω/km	Insulation wall thckn. min. mm	Cable dia. mm	Weight nom. kg/100 m
0.75	24	0.21	1.2	25.4	0.24	1.80 ± 0.10	0.9
1.0	32	0.21	1.35	19.1	0.24	2.00 ± 0.10	1.1
1.5	30	0.26	1.7	13.0	0.24	2.30 ± 0.10	1.6
2.5	50	0.26	2.2	7.8	0.28	2.85 ± 0.15	2.6
4.0	56	0.31	2.75	4.8	0.32	3.55 ± 0.15	4.2
6.0	84	0.31	3.3	3.2	0.32	4.15 ± 0.15	6.1

for bare copper versions please contact our sales offices

### Technical Specification

Voltage rating	60 V
Test voltage	3000 V
Temperature range	-40°C to +150°C
Max. conductor temperature at short circuit	+280°C (max. 5 s)
Min. bending radius	3 x D

HUBER+SUHNER Group is certified according to  
 ISO 9001 and ISO 14001

#### Waiver

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