



# 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.

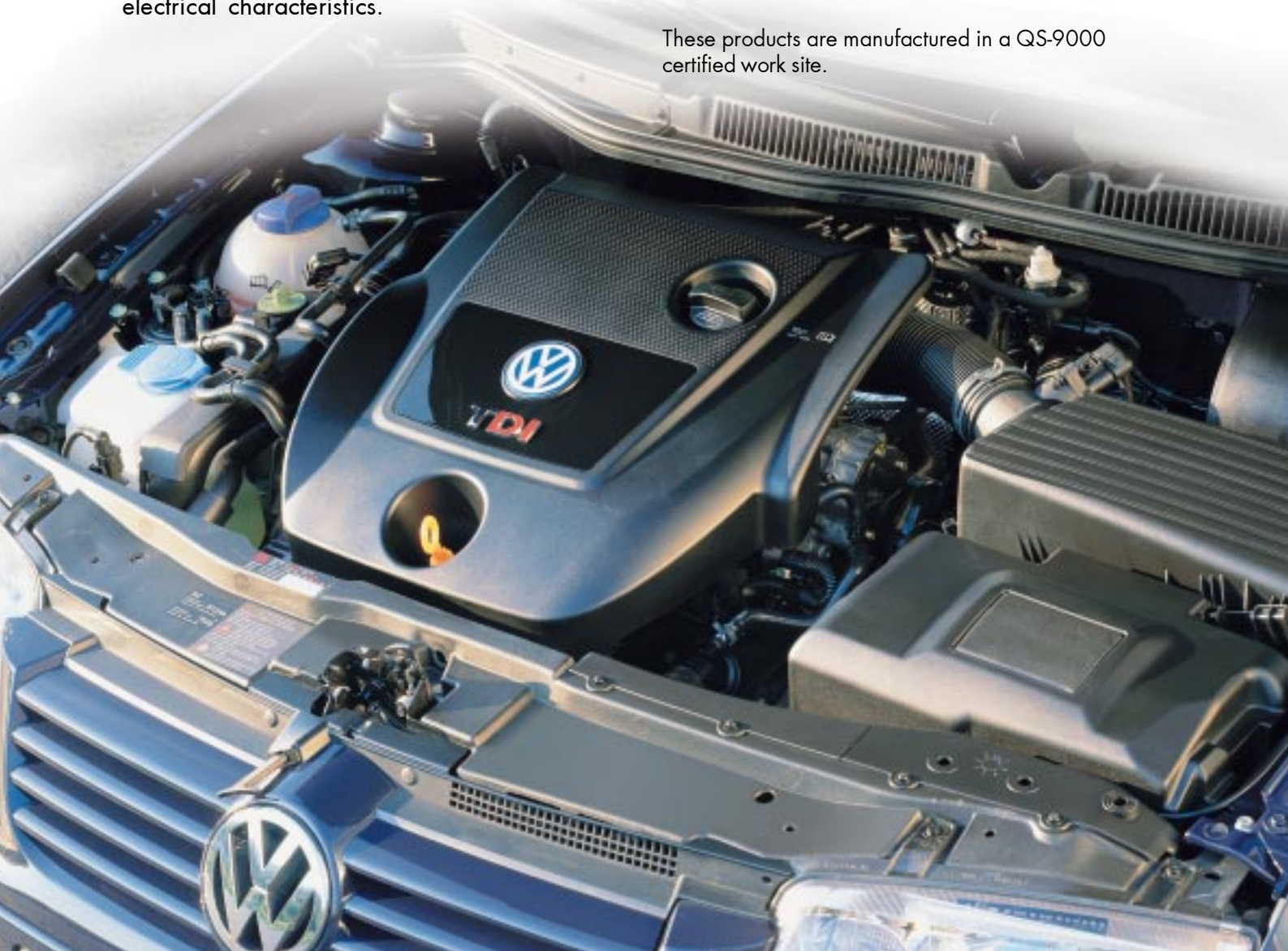
RADOX® 155S FLR is a Class D temperature range cable with reduced outer diameter. It has superb resistance to motor oils, fluids and hydrolysis.

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.

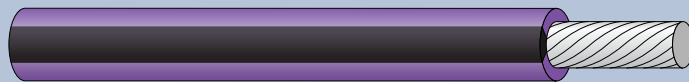
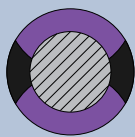
- Operating temperature range -40 to +150°C
- Reduced outer diameter
- Resistant to motor fluids, fuels
- Hydrolysis resistant
- Resistant to pressure at high temperatures
- High abrasion resistance
- Excellent electrical characteristics

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



# RADOX® 155S FLR

## 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

While the information contained in this flyer has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the suitability of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The suitability of each product for any particular purpose must be checked beforehand with our specialists.



HUBER+SUHNER AG  
 Wire+Cable Division  
 8330 Pfäffikon ZH, Switzerland  
 Tel. +41 (0)1 952 22 11  
 Fax +41 (0)1 952 26 70  
 www.hubersuhner.com