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.

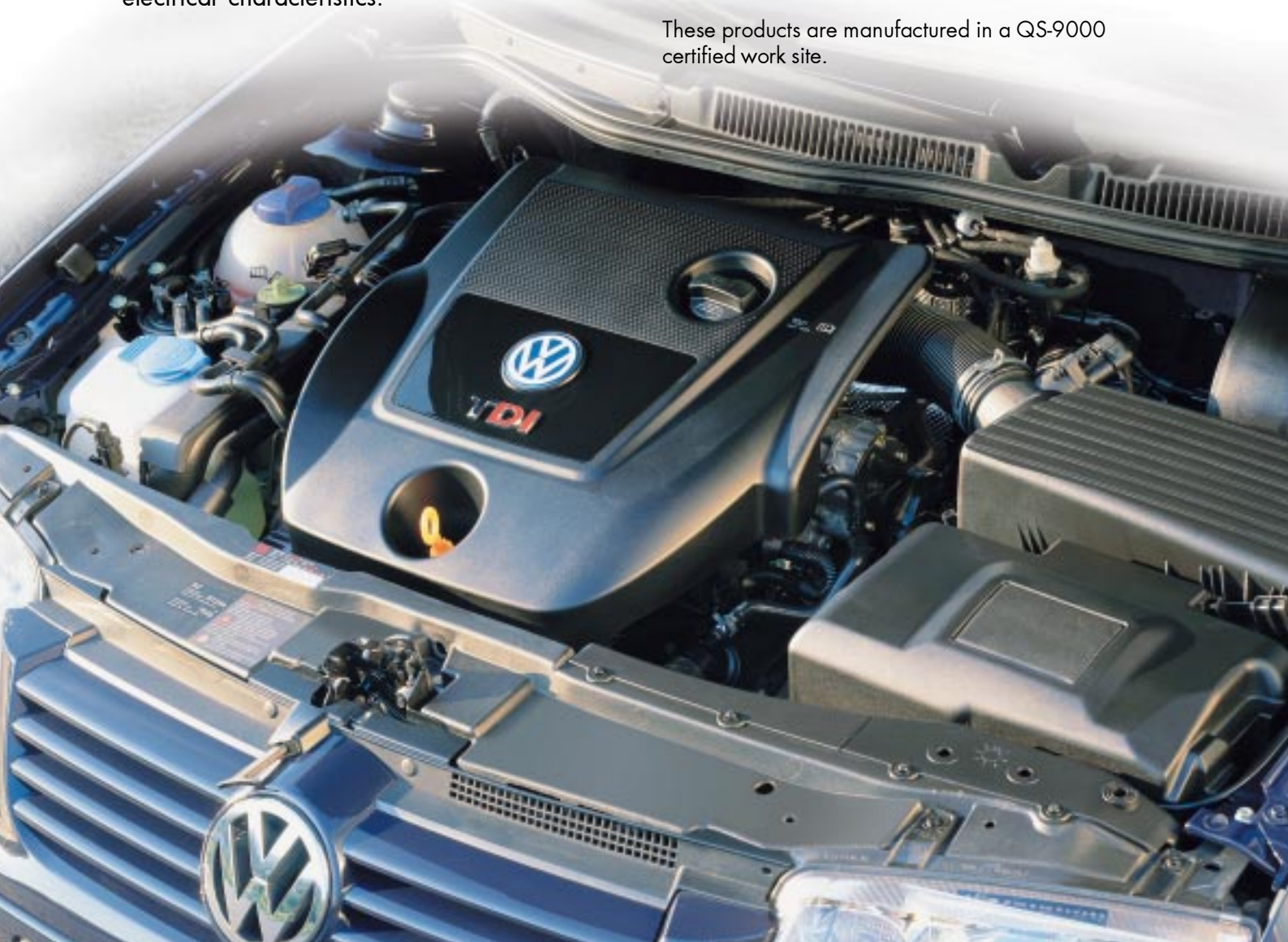
RADOX® 155S FLR is a Class D temperature range cable with reduced outer diameter. It has superb resistance to motor oils, fluids and hydrolysis.

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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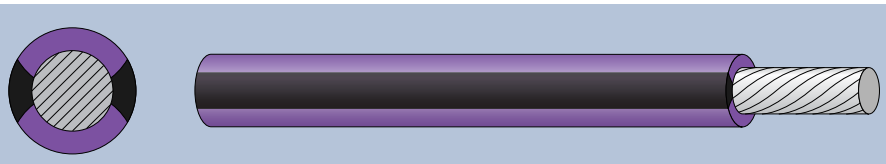

Conductor: stranded, tin plated copper, flexible
Insulation: RADOX® 155S, crosslinked polyolefin, various colors

Type A (DIN 72551; P.6)

Cross-section mm²	**No. of wires**	**Wire dia.** max. mm	**Conductor dia.** max. mm	**Resistance** at 20°C Ω/km	**Insulation wall thickn.** 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 mm²	**No. of wires**	**Wire dia.** max. mm	**Conductor dia.** max. mm	**Resistance** at 20°C Ω/km	**Insulation wall thickn.** 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.

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