



RADOX® 155S

Connecting leads

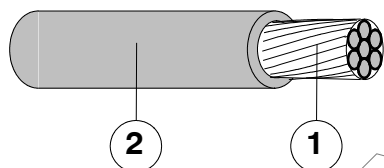
GENERAL PROPERTIES :

Excellent high temperature, low temperature, ozone and weathering resistance, flame retardant, soldering iron resistant, easy to strip and process, compatible to all common resins and varnishes, flexible.

S - type = improved media (oil and fuel) and abrasion resistance

APPLICATION :

For protected and fixed installation inside electrical equipment, especially suitable for the connection of motor windings, switchboards, magnets and transformers.



1. Conductor : Stranded tin plated copper, class 5 EN 60228
2. Insulation : . RADOX 155 S,
..... extruded irradiation crosslinked polyolefin
Colours : ... diverse

PRINTING :

HUBER+SUHNER RADOX 155 S ...MM2 [prod.-place]

TECHNICAL DATA :

Temperature range - 55 ... + 155 °C

Voltages for cross-section < 0.75 mm²:

Rated voltage cond.- earth	U ₀	450 V AC
Rated voltage cond.- cond.	U	750 V AC
Maximum permitted operating voltage cond.- earth		480 V AC
Maximum permitted operating voltage cond.- cond.	U _m	825 V AC
Maximum permitted operating voltage cond.- earth	V ₀	620 V DC
Maximum permitted operating voltage cond.- cond.		1240 V DC
Test voltage		2500 V AC

Voltages for cross-section ≥ 0.75 mm²:

Rated voltage cond.- earth	U ₀	600 V AC
Rated voltage cond.- cond.	U	1000 V AC
Maximum permitted operating voltage cond.- earth		720 V AC
Maximum permitted operating voltage cond.- cond.	U _m	1200 V AC
Maximum permitted operating voltage cond.- earth	V ₀	900 V DC
Maximum permitted operating voltage cond.- cond.		1800 V DC
Test voltage		3500 V AC

Minimum bending radius Outer diameter ≤ 12 mm 3 x 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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TABLE 1 : Dimensions, conductor resistance, weight

Cross-section EN 60228 nom. mm ²	Conductor construction nom. n x mm d	Conductor diameter max. mm	Core diameter Dia. mm	Conductor resistance at 20°C max. Ω / km	Weight nom. kg / 100m
0.14	19 x 0.10	0.5	1.40 ± 0.05	135.5	0.3
0.25	19 x 0.13	0.61	1.45 ± 0.05	86.0	0.4
0.50	19 x 0.18	0.9	1.71 ± 0.10	40.1	0.7
0.75	24 x 0.20	1.13	2.20 ± 0.10	26.7	1.1
1	32 x 0.20	1.28	2.60 ± 0.10	20.0	1.5
1.5	30 x 0.25	1.52	2.73 ± 0.10	13.7	1.9
2.5	48 x 0.25	2.05	3.00 ± 0.10	8.21	3.0
4.0	56 x 0.30	2.64	4.15 ± 0.15	5.09	4.5
6.0	82 x 0.30	2.98	4.95 ± 0.15	3.39	6.5