



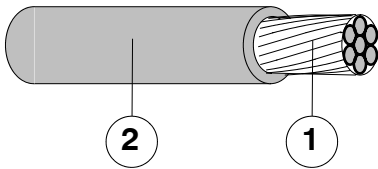
# Radox 125 Connecting leads

## GENERAL PROPERTIES :

Excellent high temperature, low temperature, ozone and weathering resistance, halogen free, flame retardant, soldering iron resistant, easy to strip and process, flexible.

## 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, according to IEC 228 cl.5
2. Insulation : RADOX 125 ,  
extruded irradiation crosslinked polyolefin  
Colours : diverse

Printing: HUBER + SUHNER SWITZERLAND RADOX 125 ...mm<sup>2</sup>

## TECHNICAL DATA :

Temperature range ..... - 40 ... + 125 .....°C

TABLE 1 : Dimensions, conductor resistance, weight

Cross section nom. mm <sup>2</sup>	Conductor construction nom. n x mmØ	Conductor diameter max. mm	Core diameter D mm	R <sub>20</sub> IEC 228 max. Ω / km	Weight nom. kg / 100m	Nominal voltage V	Test voltage V	Min. bending radius mm
0.25	19 x 0.13	0.6	1.45 ± 0.05	85.9	0.4	450/750	2500	3 x D
0.34	19 x 0.16	0.8	1.60 ± 0.10	52.1	0.5	450/750	2500	3 x D
0.50	19 x 0.18	0.9	1.70 ± 0.10	40.1	0.7	450/750	2500	3 x D
0.75	24 x 0.20	1.15	2.20 ± 0.10	26.7	1.1	600/1000	3500	3 x D
1.0	32 x 0.20	1.3	2.60 ± 0.10	20.0	1.5	600/1000	3500	3 x D
1.5	30 x 0.25	1.55	2.73 ± 0.10	13.7	1.9	600/1000	3500	3 x D
2.5	48 x 0.25	2.05	3.50 ± 0.10	8.21	3.0	600/1000	3500	3 x D
4.0	56 x 0.30	2.6	4.15 ± 0.15	5.09	4.6	600/1000	3500	3 x D
6.0	81 x 0.30	3.4	4.95 ± 0.15	3.39	6.7	600/1000	3500	3 x D
10	78 x 0.40	4.4	6.15 ± 0.15	1.95	11	600/1000	3500	3 x D
16	119 x 0.40	5.4	7.35 ± 0.15	1.24	16.5	600/1000	3500	3 x D
25	182 x 0.40	6.7	8.9 ± 0.2	0.795	25	600/1000	3500	3 x D
35	206 x 0.40	7.9	10.3 ± 0.2	0.565	34.9	600/1000	3500	3 x D
50	378 x 0.40	9.4	12.1 ± 0.25	0.393	50	600/1000	3500	4 x D
70	348 x 0.50	11.5	14.4 ± 0.25	0.277	70.8	600/1000	3500	4 x D
95	444 x 0.50	12.9	16.0 ± 0.3	0.210	89	600/1000	3500	4 x D
120	570 x 0.50	15.1	18.6 ± 0.3	0.164	116	600/1000	3500	4 x D
150	722 x 0.50	17.0	20.5 ± 0.3	0.132	145	600/1000	3500	4 x D
185	874 x 0.50	18.5	22.2 ± 0.3	0.108	173	600/1000	3500	4 x D
240	1147 x 0.50	21.3	25.4 ± 0.3	0.0817	225	600/1000	3500	4 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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## The cables are in conformity with :

Halogen-free compound .....	fulfilled .....	EN 50363
Corrosivity of combustion gases .....	$\text{pH} \geq 4.3, \sigma \leq 10 \mu\text{S}/\text{mm}$	EN 50267-2-2
Amount of halogen acid gas .....	$\text{HCl}+\text{HBr} \leq 0.5\%$ .....	EN 50267-2-1
Content of fluorine .....	$\text{HF} \leq 0.1\%$ .....	EN 60684-2, # 45.2

