



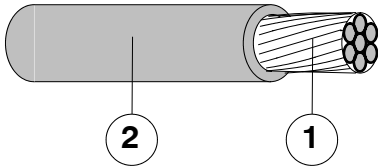
Radox 125 Connecting leads

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 ...mm²

TECHNICAL DATA :

Temperature range - 40 ... + 125°C

TABLE 1 : Dimensions, conductor resistance, weight

| Cross section nom. mm ² | Conductor construction nom. n x mmØ | Conductor diameter max. mm | Core diameter D mm | R ₂₀ 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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Radox 125

Connecting leads

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 |

