



Flexible connecting leads **RADOX® 125**

halogen free material which is resistant to extreme temperatures, flame retardant and easy to work with when wiring domestic appliances, lighting fixtures, electrical switchgear and coil wound equipment

RADOX®125 is a range of flexible single leads with electron beam crosslinked insulation, which has high resistance to pressure at elevated temperatures and good mechanical and chemical properties. Short term excursions up to 250°C have no adverse effect on the insulation.

Because RADOX®125 is free of halogens it does not release corrosive gases in the case of fire thereby preventing damage to electronic or electrical equipment.

The automatic processing of RADOX® 125 is simple and economical because the insulation is easy to strip.

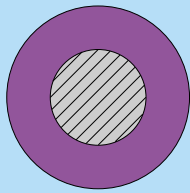
The high resistance to media such as water, oil and chemicals allows applications in numerous areas.

Typical applications include the use in domestic appliances, lighting, electrical switchgear and control panels.

- voltage rating 600/1000 V
- operating temperature -40°C to +125°C
- halogen free and low smoke
- RADOX®125 electron beam crosslinked insulation does not melt or flow at high temperatures
- economical automatic processing
- compact, flexible
- other versions:
RADOX®125 solid wire
RADOX®125 multicore cables



Flexible connecting leads RADOX®125



Conductor: stranded tin plated copper, according to IEC 228, class 5
Insulation: RADOX®125, extruded irradiation crosslinked polyolefin

Cross section mm ²	Conductor construction n x mm Ø	Conductor diameter max. mm	Core diameter mm	R ₂₀ IEC228 max. Ω/km	Weight nominal kg/100 m	Voltage rating V	Test voltage V
0.25	19 x 0.13	0.6	1.45±0.05	85.9	0.4	450/750	2500
0.34	19 x 0.15	0.75	1.55±0.10	57.2	0.5	450/750	2500
0.50	19 x 0.18	0.9	1.70±0.10	40.1	0.7	450/750	2500
0.75	24 x 0.20	1.15	2.20±0.10	26.7	1.1	600/1000	3500
1.0	32 x 0.20	1.3	2.60±0.10	20.0	1.5	600/1000	3500
1.5	30 x 0.25	1.55	2.70±0.10	13.7	1.9	600/1000	3500
2.5	50 x 0.25	2.05	3.35±0.10	8.21	3.0	600/1000	3500
4.0	56 x 0.30	2.6	4.05±0.15	5.09	4.6	600/1000	3500
6.0	81 x 0.30	3.4	4.95±0.15	3.39	6.5	600/1000	3500
10	78 x 0.40	4.4	6.15±0.15	1.95	11	600/1000	3500
16	119 x 0.40	5.4	7.35±0.15	1.24	16.5	600/1000	3500
25	182 x 0.40	6.7	8.9±0.2	0.795	25	600/1000	3500
35	259 x 0.40	7.9	10.3±0.2	0.565	34.5	600/1000	3500
50	378 x 0.40	9.4	12.1±0.25	0.393	50	600/1000	3500
70	336 x 0.50	11.5	14.4±0.25	0.277	68	600/1000	3500
95	444 x 0.50	12.9	16.0±0.3	0.210	89	600/1000	3500
120	551 x 0.50	14.8	18.1±0.3	0.164	110	600/1000	3500
150	722 x 0.50	17.0	20.5±0.3	0.132	142	600/1000	3500
185	874 x 0.50	18.5	22.2±0.3	0.108	171	600/1000	3500
240	1147 x 0.50	21.3	25.4±0.3	0.0817	225	600/1000	3500

Technical specification:

Operating temperature -40 to +125°C

Min. bending radius D ≤ 12 mm.....3 x D

..... D ≥ 12 mm.....4 x D

Printing HUBER+SUHNER SWITZERLAND RADOX 125 [Cross section]

Colours various

Standard packaging 100, 1000 m Spools/Coils (0.25 - 2.5 mm²)

..... 25, 50 m Rings/100 m Spools (4 - 50 mm²)

RADOX®125 is also available with solid wire conductor 0.25 to 2.5 mm² (IEC228, Class1) and multicore cables, screened or unscreened.

HUBER+SUHNER Switzerland is certified according to ISO 9001 and ISO 14001.

Waiver

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