



Connecting leads

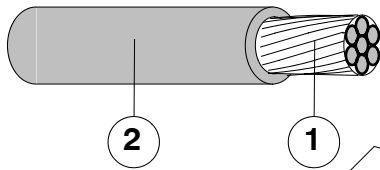
Radox 125 IEC 60092-353

GENERAL PROPERTIES :

Electron beam cross-linked insulation; excellent resistance to high and low temperature, ozone, weathering and abrasion; low smoke, halogenfree, excellent 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 general power devices, lighting and switchboards.



1. Conductor : Stranded tin plated copper, according to IEC 228 cl.5
2. Insulation : RADOX 125 ,
extruded irradiation crosslinked polyolefin
Colours : diverse

Printing: H+S SWITZERLAND RADOX 125 0.6/1kV 90C
IEC 60332-1-2 IEC 60332-3-22 CAT. A 1... mm²
(@@@) year

TECHNICAL DATA :

Temperature range	-25 .. + 110	°C
Temperature rating IEC 60092	+ 90	°C
Short circuit temperature rating IEC 60092	+ 250	°C
Voltage rating cond.-earth	+ U ₀ 600	V AC
Voltage rating cond.-cond.	+ U 1000	V AC
maximum permissible Voltage rating AC cond.-earth	720	V AC
maximum permissible Voltage rating AC cond.-cond.	U _m 1200	V AC
maximum permissible Voltage rating DC cond.-earth	V ₀ 900	V DC
maximum permissible Voltage rating DC cond.-cond.	1500	V DC
Test voltage, 50 Hz, 5 min	3 500	V AC
	8 400	V DC
Min. bending radius	diameter ≤ 12 mm	3 x cable dia
Min. bending radius	diameter > 12 mm	4 x cable dia

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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

Cross section nom. mm ²	Conductor construction nom. n x mmØ	Conductor diameter max. mm	Insulation thickness min. mm	Overall diameter D mm	R ₂₀ IEC60 228 max. Ω / km	Weight nom. kg / 100m
0.75	24 x 0.20	1.2	0.70	2.65 ± 0.10	26.7	1.4
1.0	32 x 0.20	1.3	0.70	2.80 ± 0.10	20.0	1.7
1.5	30 x 0.25	1.6	0.70	3.05 ± 0.10	13.7	2.2
2.5	48 x 0.25	2.1	0.70	3.55 ± 0.10	8.21	3.1
4.0	56 x 0.30	2.65	0.70	4.20 ± 0.15	5.09	4.8
6.0	81 x 0.30	3.3	0.70	4.85 ± 0.15	3.39	6.7
10	78 x 0.40	4.3	0.70	5.85 ± 0.15	1.95	11.0
16	119 x 0.40	5.4	0.70	6.95 ± 0.15	1.24	16.3
25	182 x 0.40	6.7	0.90	8.70 ± 0.20	0.795	24.8
35	266 x 0.40	7.9	0.90	9.90 ± 0.20	0.565	34.3
50	378 x 0.40	9.4	1.00	11.6 ± 0.20	0.393	48.8
70	348 x 0.50	11.5	1.10	14.0 ± 0.25	0.277	70
95	444 x 0.50	12.9	1.10	15.4 ± 0.25	0.210	87.2
120	551 x 0.50	14.8	1.20	17.8 ± 0.30	0.164	114
150	722 x 0.50	17.0	1.40	20.1 ± 0.30	0.132	140
185	874 x 0.50	18.5	1.60	22.0 ± 0.30	0.108	173
240	1147 x 0.50	21.3	1.70	25.0 ± 0.30	0.0817	226
300	1443 x 0.50	23.9	1.80	27.8 ± 0.30	0.0654	276

The cables are in conformity with:

Fire protection in ships	Fulfilled	IEC 60092
Vertical flame spread	50 < L ≤ 540 mm	IEC 60332-1-2
Vertical flame spread, bunched	L ≤ 2.5 m	IEC 60332-3-22
Smoke density	T ≥ 60 %	IEC 61034-2
Corrosivity of combustion gases	pH ≥ 4.3, C ≤ 10 μS/mm	IEC 60754-2
Amount of halogen acid gas	HCl + HBr ≤ 0.5 %	IEC 60754-1

Type Approval Certificates :

DET NORSKE VERITAS (DNV) : E-8529

(Cross section 1.5 - 300 mm²)

BUREAU VERITAS (BV) :

12915 / BO BV

(Cross section 1.5 - 300 mm²)