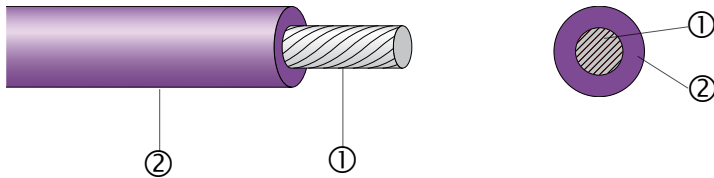


RADOX® 125 IEC

Marine single core



- excellent high and low temperature and ozone resistance
- weatherproof
- halogen free
- flame retardant
- high abrasion resistance
- soldering resistant
- low smoke
- easy to strip and process
- flexible
- electron beam crosslinked insulation

Application

Protected and fixed installation inside electrical equipment, especially suitable for the connection of general power devices, lighting and switchboards.

Composition of cable

- ① Conductor
- ② Insulation

Core colours

stranded tin plated copper, acc. to EN 60228, class 5
RADOX® 125

extruded and electron beam crosslinked polyolefin copolymer
various, on request

Technical data

Voltage rating U_0/U

600 / 1000 V AC

Test voltage

3500 V AC

Temperature range

-25 up to +110 °C

Temperature range IEC 60092

+90 °C

Short circuit temperature IEC 60092

+250 °C

Min. bending radius

$\varnothing < 12$ mm

3 x core-dia.

$\varnothing > 12$ mm

4 x core-dia.

Approvals

DET NORSKE VERITAS (DNV)

Classification of ships and mobile offshore units, IEC 60092-353, IEC 60332-3-22 cat. A, IEC 61034-2, IEC 60754-2 (cross section 1.5 - 300 mm²)

BUREAU VERITAS (BV)

Classification of steel ships, IEC 60092-353, IEC 60332-3-22 cat. A, IEC 61034-2, IEC 60754-2 (cross section 1.5 - 300 mm²)

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Marine single core

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 mS/mm	IEC 60754-2
Amount of halogen acid gas	HCl + HBr ≤ 0.5 %	IEC 60754-1

Extract from our delivery programme

Cross section	Conductor			Core	Weight
nom. mm ²	nom. n x mm dia.	dia. max. mm	R ₂₀ IEC 60228 max. Ω/km	dia. mm	nom. kg/100 m
0.5	19 x 0.18	0.95	40.1	2.40 ± 0.10	1.1
0.75	24 x 0.20	1.2	26.7	2.65 ± 0.10	1.3
1.0	32 x 0.20	1.3	20.0	2.80 ± 0.10	1.6
1.5	30 x 0.25	1.6	13.7	3.05 ± 0.10	2.2
2.5	48 x 0.25	2.1	8.21	3.55 ± 0.10	3.1
4.0	56 x 0.30	2.6	5.09	4.20 ± 0.15	4.8
6.0	81 x 0.30	3.4	3.39	4.85 ± 0.15	6.5
10	78 x 0.40	4.4	1.95	5.85 ± 0.15	11.0
16	119 x 0.40	5.4	1.24	6.95 ± 0.15	16.3
25	182 x 0.40	6.7	0.795	8.70 ± 0.20	24.4
35	266 x 0.40	7.9	0.565	9.90 ± 0.20	34.3
50	378 x 0.40	9.4	0.393	11.6 ± 0.20	50.2
70	348 x 0.50	11.5	0.277	14.0 ± 0.25	68.8
95	444 x 0.50	12.9	0.210	15.4 ± 0.25	87.9
120	551 x 0.50	14.8	0.164	17.8 ± 0.30	109
150	722 x 0.50	17.0	0.132	20.0 ± 0.30	140
185	874 x 0.50	18.5	0.108	22.0 ± 0.30	170
240	1147 x 0.50	21.3	0.0817	25.0 ± 0.30	226
300	1443 x 0.50	23.9	0.0654	27.8 ± 0.30	276

Various colours on request.