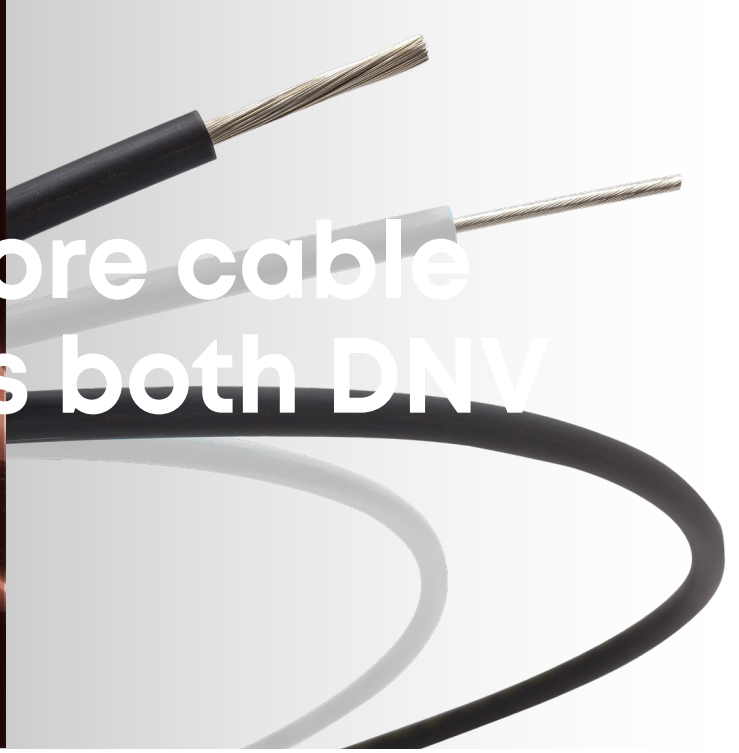
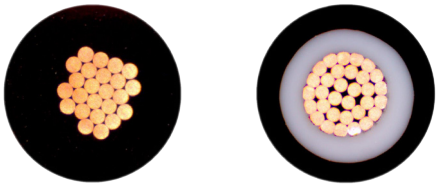
RADOX® 125
The first offshore cable solution meets both DNV and CPR



Easy processing & stripping



RADOX® 125

RADOX 125 is easy to process and strip. This demonstrably minimizes the installation time and therefore reduces the associated costs.

Compatibility and resistance

Due to the extremely durable jacket material, the RADOX 125 is ideal for special purposes such as line bushing for Ex-proof applications. It provides high resistance against high and low temperature as well as proven compatibility to epoxy resin.

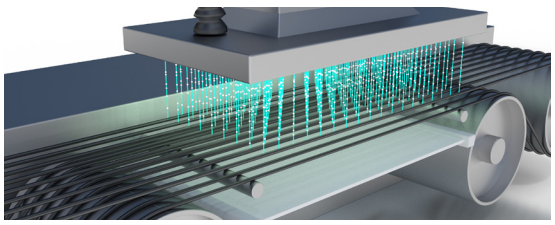
Highest safety standard

CPR
Construction Products Regulation

TYPE APPROVED PRODUCT
DNV·GL
DNVGL.COM/AF

RADOX 125 complies with both Constructed Product Regulation (CPR) according to EN50575 and DNV. It fulfills the highest safety standard B2CA.

Platform lifetime guarantee



Thanks to e-beam cross-linked insulation, RADOX 125 has 8 times the life of conventional compounds. Even at high temperature, the insulation will not have brittle breakage and thus requires no replacement.

RADOX® 125 (IEC60092)

DNV-approved halogen free single insulated connection wire is used as internal wiring in electrical equipment, sensors, distribution panels and switchboards. RADOX® 125 is easy to process and can be installed with tight bending radius. The insulation can resist high temperature of up to +125°C, that ensures higher safety and longer service life.

Data

Technical Data		
Voltage rating Uo/U	0.25 - 0.75 mm²	150/250 V AC
Voltage rating Uo/U	1 - 300 mm²	600/1000 V AC
Temperature range		–40 up to +125 °C
Temperature range (fixed installation)		–55 up to +145 °C

Conformity

Vertical flame spread	50 < L ≤ 540 mm	EN 60332- 1- 2
Vertical flame spread, bunched (applies for 1- 300 mm²)	L ≤ 2.5 m	EN 60332- 3- 22
Smoke density	T ≥ 60 %	EN 61034- 2
Corrosivity of combustion gases	pH ≥ 4.3, C ≤ 10 uS/mm	EN 60754- 2
Amount of halogen acid gas	HCl + HBr ≤ 0.5 %	EN 60754- 1
Content of fluorine	HF ≤ 0.1 %	EN 60684- 2, 45.2

Standards

IEC 60092-350	Design guidelines
IEC 60092-360	Flame retardant and halogen free compound (HF90)

Approvals

DNV (Det Norske veritas)	TAE00003GH
CPR (Construction Product Regulation)	Class ECA up to 6mm²; Class B2CA all other sections

Program

Cross section	Conductor Construction	Core	Weight	Bending radius
mm²	n x mm dia.	dia. mm	Kg/100m	min.
0.34	19 × 0.16	1.5 ± 0.10	0.6	3x dia.
0.5	19 × 0.18	2.0 ± 0.10	0.9	3x dia.
0.75	24 × 0.20	2.25 ± 0.10	1.2	3x dia.
1	32 × 0.20	2.60 ± 0.10	1.6	3x dia.
1.5	30 × 0.25	2.85 ± 0.10	2.1	3x dia.
2.5	48 × 0.25	3.35 ± 0.10	3.0	3x dia.
4	56 × 0.30	3.95 ± 0.10	4.6	3x dia.
6	82 × 0.30	4.65 ± 0.15	6.5	3x dia.
10	78 × 0.40	5.6 ± 0.15	10.3	3x dia.
16	119 × 0.40	6.75 ± 0.15	15.1	3x dia.
25	189 × 0.40	8.5 ± 0.2	23.9	3x dia.
35	266 × 0.40	9.7 ± 0.20	32.8	3x dia.
50	378 × 0.40	11.4 ± 0.20	46.1	3x dia.
70	348 × 0.50	13.8 ± 0.25	66.2	4x dia.
95	456 × 0.50	15.3 ± 0.25	85.3	4x dia.
120	570 × 0.50	17.2 ± 0.30	108.3	4x dia.
150	722 × 0.50	19.1 ± 0.30	135.3	4x dia.
185	874 × 0.50	21.3 ± 0.30	166.8	4x dia.
240	1147 × 0.50	24.5 ± 0.30	216.3	4x dia.
300	1443 x 0.50	27.1 ± 0.40	269.2	4x dia.

HUBER+SUHNER