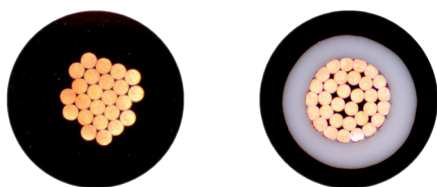


RADOX® 125

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.

Highest safety standard



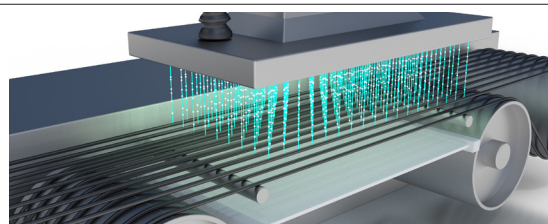
RADOX 125 complies with both Constructed Product Regulation (CPR) according to EN50575 and DNV. It fulfills the highest safety standard B2CA.

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.

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 U _o /U | 0.25 - 0.75 mm ² | 150/250 V AC |
| Voltage rating U _o /U | 1 - 300 mm ² | 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 mm ²) | 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 6mm ² ; Class B2CA all other sections |

Program

| Cross section | Conductor Construction | Core | Weight | Bending radius |
|-----------------|------------------------|-------------|---------|----------------|
| mm ² | n x mm dia. | dia. mm | Kg/100m | min. |
| 0.34 | 19 x 0.16 | 1.5 ± 0.10 | 0.6 | 3x dia. |
| 0.5 | 19 x 0.18 | 2.0 ± 0.10 | 0.9 | 3x dia. |
| 0.75 | 24 x 0.20 | 2.25 ± 0.10 | 1.2 | 3x dia. |
| 1 | 32 x 0.20 | 2.60 ± 0.10 | 1.6 | 3x dia. |
| 1.5 | 30 x 0.25 | 2.85 ± 0.10 | 2.1 | 3x dia. |
| 2.5 | 48 x 0.25 | 3.35 ± 0.10 | 3.0 | 3x dia. |
| 4 | 56 x 0.30 | 3.95 ± 0.10 | 4.6 | 3x dia. |
| 6 | 82 x 0.30 | 4.65 ± 0.15 | 6.5 | 3x dia. |
| 10 | 78 x 0.40 | 5.6 ± 0.15 | 10.3 | 3x dia. |
| 16 | 119 x 0.40 | 6.75 ± 0.15 | 15.1 | 3x dia. |
| 25 | 189 x 0.40 | 8.5 ± 0.2 | 23.9 | 3x dia. |
| 35 | 266 x 0.40 | 9.7 ± 0.20 | 32.8 | 3x dia. |
| 50 | 378 x 0.40 | 11.4 ± 0.20 | 46.1 | 3x dia. |
| 70 | 348 x 0.50 | 13.8 ± 0.25 | 66.2 | 4x dia. |
| 95 | 456 x 0.50 | 15.3 ± 0.25 | 85.3 | 4x dia. |
| 120 | 570 x 0.50 | 17.2 ± 0.30 | 108.3 | 4x dia. |
| 150 | 722 x 0.50 | 19.1 ± 0.30 | 135.3 | 4x dia. |
| 185 | 874 x 0.50 | 21.3 ± 0.30 | 166.8 | 4x dia. |
| 240 | 1147 x 0.50 | 24.5 ± 0.30 | 216.3 | 4x dia. |
| 300 | 1443 x 0.50 | 27.1 ± 0.40 | 269.2 | 4x dia. |

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