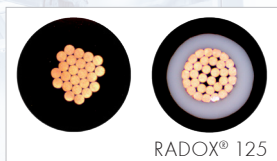




Easy processing & stripping
RADOX® 125 is easy to process and strip. This minimizes the installation time and therefore reduces the associated costs.



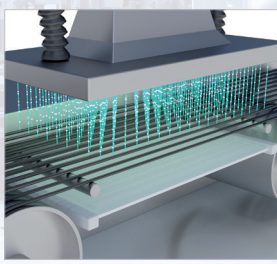
CPR performance class
RADOX® 125 complies with the latest CPR regulation for use as a construction product and fulfills the highest safety standard.



Highest flexibility
The installation time is extremely dependent of the cable flexibility. RADOX® 125 provide thinner outer dimensions and allows a small bending radius. This leads to a reduction in installation costs..



E-beam cross-linked sheath
The insulation is e-beam cross-linked. In particular, RADOX® has 8 times the life of conventional compounds. Also at higher temperature load of the conductor, the insulation does not quickly become brittle breakage and must be replaced.



RADOX® 125

The master class for stripping and processing

Data sheet

RADOX® 125 (S05Z/S07Z-K)

Application

For internal wiring in electrical equipment, heating appliances, sensors, switchboards and control panels or distribution boxes in automation, especially suitable for the connection of motors windings, magnets and transformers. Used for protected and fixed laying in tubes, surface cabling, direct in plaster or underneath it, as well in cable conduits.

Data

Technical Data		
Voltage rating U_0/U	0.25 - 0.75mm ²	300/500 V AC
Voltage rating U_0/U	1 - 300mm ²	600/1000 V AC
Temperature range (fixed installed)		-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 acidgas	HCl + HBr ≤ 0.5 %	EN 60754- 1
Content of flourine	HF ≤ 0.1 %	EN 60684- 2, 45.2
Approvals		
DNV (Det Norske veritas)	pending	
CPR (Construction Product regulation)	Class E _{CA} (class B _{CA} pending)	

Programm

Cross section	Conductor construction	Core	Weight	Bending radius
mm ²	n x mm dia.	dia. mm	Kg/100m	min.
0.25	19 × 0.13	1.3 ± 0.10	0.4	3x dia.
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	10.6	3x dia.
16	119 × 0.40	6.75 ± 0.15	15.6	3x dia.
25	182 × 0.40	8.5 ± 0.2	24.2	3x dia.
35	266 × 0.40	9.7 ± 0.20	34.3	3x dia.
50	378 × 0.40	11.4 ± 0.20	48.3	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 × 0.50	27.1 ± 0.40	269.2	4x dia.

Various colours on request.

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 und IRIS

Waiver

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.