

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 transformer. Used for protected and fixed laying in tubes, surface cabling, direct in plaster or underneath it, as well as in cable conduits.

Data

Technical Data		
Voltage rating U_0/U	0.25 - 0.75 mm ²	300/500 V AC
Voltage rating U_0/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 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} up to 6mm ² ; Class B _{CA} all other diameters	

Program

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

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