



Flexible connecting leads **RADOX®155**

insulation material which is resistant to extreme temperatures, compatible to industrial resins, flame retardant and easy to work with when wiring domestic appliances, lighting fixtures, electrical switchgear and coil wound equipment

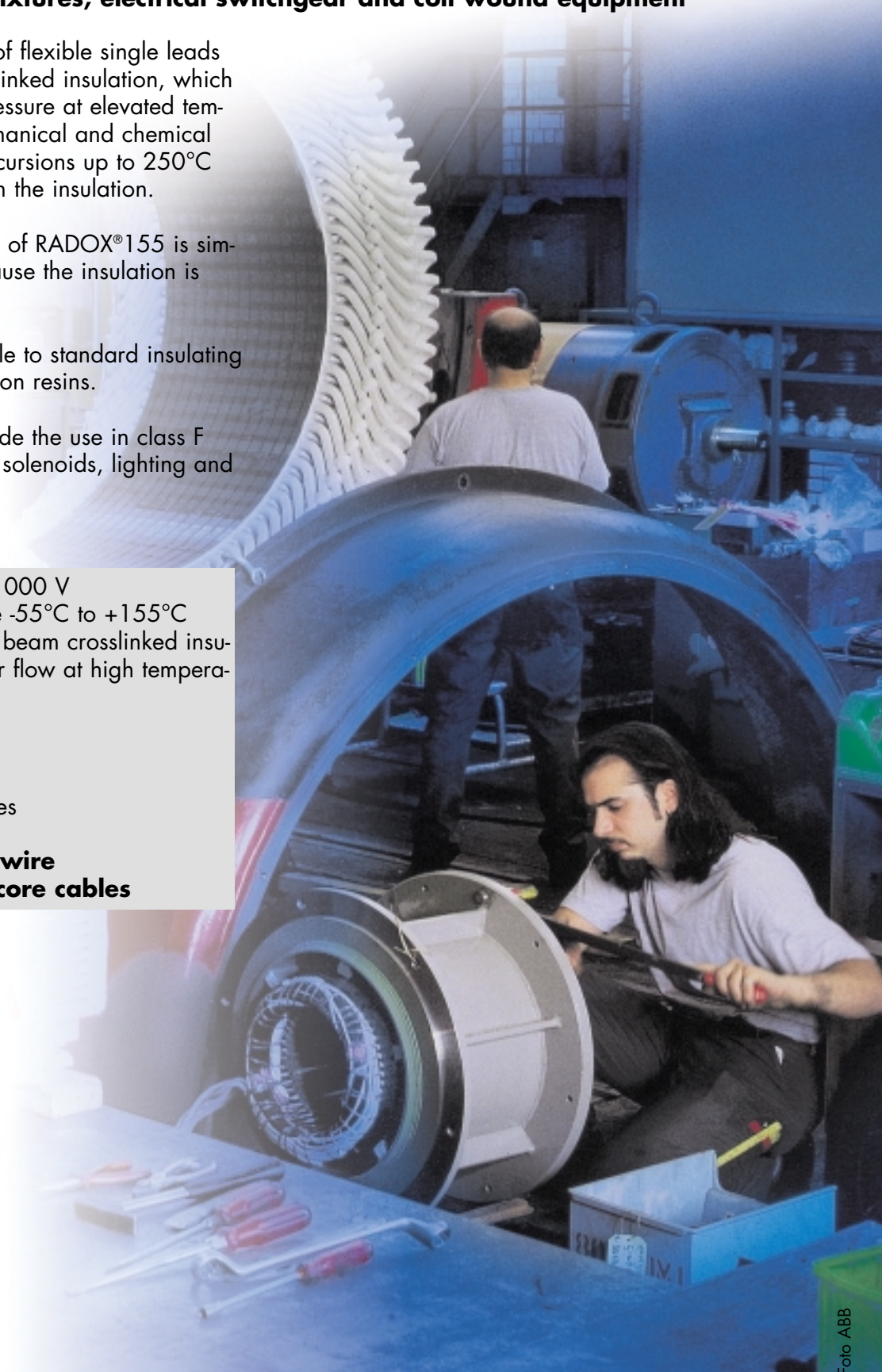
RADOX®155 is a range of flexible single leads with electron beam crosslinked insulation, which has high resistance to pressure at elevated temperatures and good mechanical and chemical properties. Short term excursions up to 250°C have no adverse effect on the insulation.

The automatic processing of RADOX®155 is simple and economical because the insulation is easy to strip.

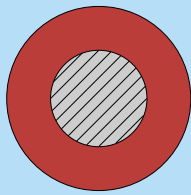
RADOX®155 is compatible to standard insulating varnishes and impregnation resins.

Typical applications include the use in class F motors and transformers, solenoids, lighting and control panels.

- voltage rating 600/1000 V
- operating temperature -55°C to +155°C
- RADOX®155 electron beam crosslinked insulation does not melt or flow at high temperatures
- economical automatic processing
- compact, flexible
- compatible to varnishes
- other versions:
RADOX®155 solid wire
RADOX®155 multicore cables



Flexible connecting leads RADOX®155



Conductor: STRANDED tin plated copper, according to IEC 228, class 5
Insulation: RADOX®155, extruded irradiation crosslinked polyolefin

Cross section mm ²	Conductor construction n x mm Ø	Conductor diameter max. mm	Core diameter mm	R ₂₀ IEC228 max. Ω/km	Weight nominal kg/100 m	Voltage rating V	Test voltage V
0.25	19 x 0.13	0.6	1.45±0.05	85.9	0.4	450/750	2500
0.34	19 x 0.15	0.75	1.55±0.10	57.2	0.5	450/750	2500
0.50	19 x 0.18	0.9	1.70±0.10	40.1	0.7	450/750	2500
0.75	24 x 0.20	1.15	2.20±0.10	26.7	1.1	600/1000	3500
1.0	32 x 0.20	1.3	2.60±0.10	20.0	1.5	600/1000	3500
1.5	30 x 0.25	1.55	2.70±0.10	13.7	1.9	600/1000	3500
2.5	50 x 0.25	2.05	3.35±0.10	8.21	3.0	600/1000	3500
4.0	56 x 0.30	2.6	4.05±0.15	5.09	4.6	600/1000	3500
6.0	81 x 0.30	3.4	5.2±0.15	3.39	6.5	600/1000	3500
10	78 x 0.40	4.4	6.4±0.15	1.95	11	600/1000	3500
16	119 x 0.40	5.4	7.6±0.15	1.24	16.5	600/1000	3500
25	182 x 0.40	6.7	9.2±0.2	0.795	25	600/1000	3500
35	259 x 0.40	7.9	10.6±0.2	0.565	34.5	600/1000	3500
50	378 x 0.40	9.4	12.3±0.25	0.393	50	600/1000	3500
70	336 x 0.50	11.5	14.6±0.25	0.277	68	600/1000	3500
95	444 x 0.50	12.9	16.3±0.3	0.210	89	600/1000	3500
120	551 x 0.50	14.8	18.4±0.3	0.164	110	600/1000	3500
150	722 x 0.50	17.0	20.8±0.3	0.132	142	600/1000	3500
185	874 x 0.50	18.5	22.5±0.3	0.108	171	600/1000	3500
240	1147 x 0.50	21.3	25.7±0.3	0.0817	225	600/1000	3500

Technical specification:

Operating temperature -55 to +155°C

Min. bending radius D ≤ 12 mm.....3 x D

..... D ≥ 12 mm.....4 x D

Printing HUBER+SUHNER SWITZERLAND RADOX 155 [Cross section]

Colours various

Standard packaging 100, 1000 m Spools/Coils (0.25 - 2.5 mm²)

..... 25, 50 m Rings/100 m Spools (4 - 50 mm²)

RADOX®155 is also available with solid wire conductor 0.25 to 2.5 mm² (IEC228, Class1) and multicore cables, screened or unscreened.

HUBER+SUHNER Switzerland is certified according to ISO 9001 and ISO 14001.

Waiver

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