



RADOX® 155

Flexible connecting leads

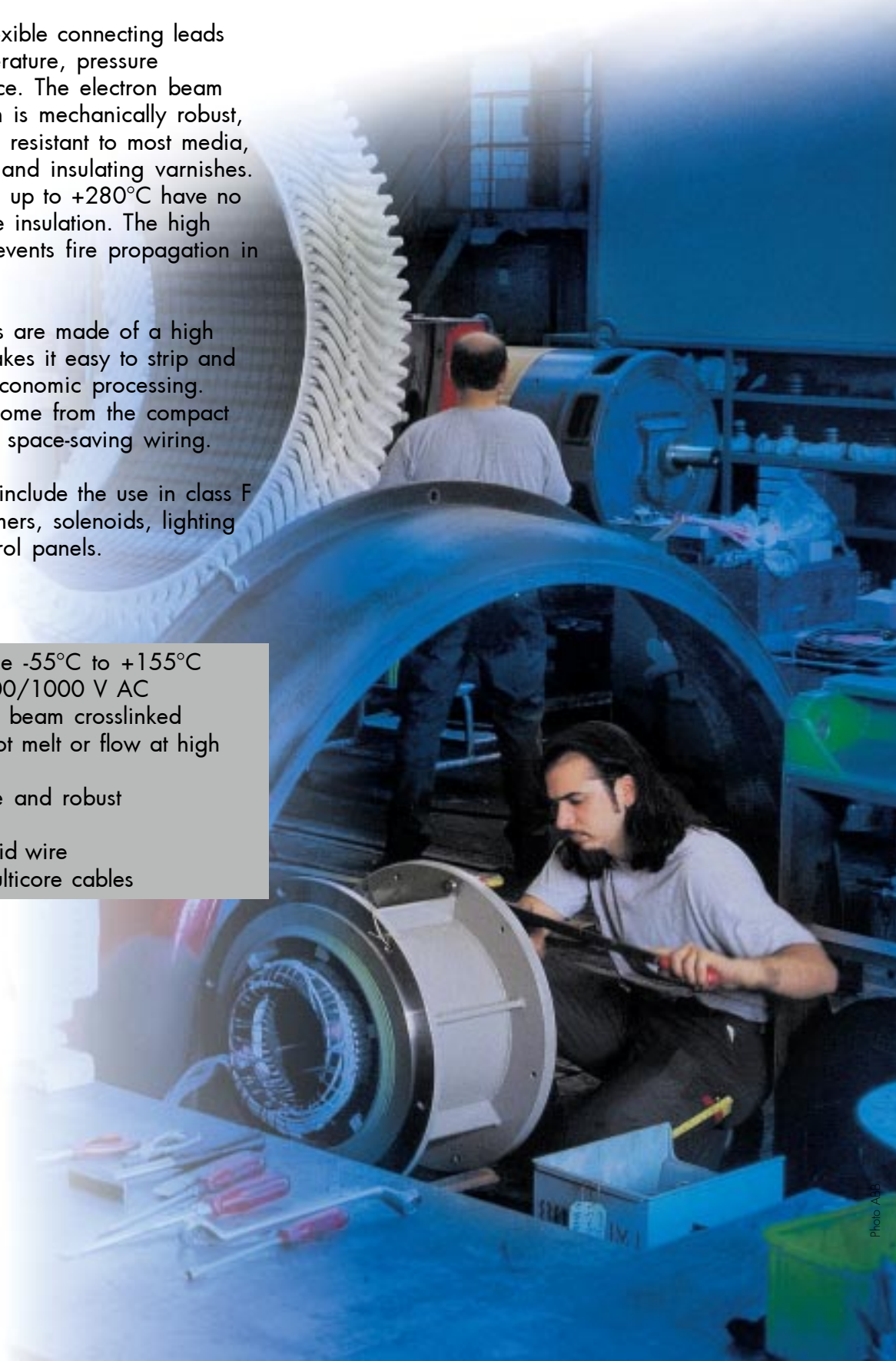
**high temperature resistance, flame retardant, resistant to resins and varnishes
good processability, for compact wiring**

RADOX® 155 are flexible connecting leads with excellent temperature, pressure and ageing resistance. The electron beam crosslinked insulation is mechanically robust, does not melt and is resistant to most media, impregnation resins and insulating varnishes. Short-term excursions up to +280°C have no adverse effect on the insulation. The high flame retardance prevents fire propagation in case of a fire.

The connecting leads are made of a high quality wire. This makes it easy to strip and allows automated, economic processing. Additional benefits come from the compact design which allows space-saving wiring.

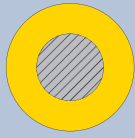
Typical applications include the use in class F motors and transformers, solenoids, lighting equipment and control panels.

- Temperature range -55°C to +155°C
- Voltage rating 600/1000 V AC
- RADOX® electron beam crosslinked insulation does not melt or flow at high temperatures
- Compact, flexible and robust
- Other versions:
 - RADOX 155 solid wire
 - RADOX 155 multicore cables



RADOX® 155

Flexible connecting leads



Conductor: stranded, tin plated copper, according to IEC 60228, class 5
 Insulation: RADOX® 155, various colors

Cross-section nom. mm ²	Conductor construction n x mm Ø	Conductor dia. max. mm	Core dia. mm	R ₂₀ IEC 60228 max. Ω/km	Weight nom. kg/100 m
0.25	19 x 0.13	0.6	1.45 ± 0.05	85.9	0.4
0.34	19 x 0.16	0.8	1.60 ± 0.10	52.1	0.5
0.50	19 x 0.18	0.9	1.70 ± 0.10	40.1	0.7
0.75	24 x 0.20	1.2	2.20 ± 0.10	26.7	1.1
1.0	32 x 0.20	1.3	2.60 ± 0.10	20.0	1.5
1.5	30 x 0.25	1.6	2.70 ± 0.10	13.7	1.9
2.5	50 x 0.25	2.1	3.35 ± 0.10	8.21	3.0
4.0	56 x 0.30	2.6	4.05 ± 0.15	5.09	4.5
6.0	81 x 0.30	3.4	5.20 ± 0.15	3.39	6.5
10	78 x 0.40	4.4	6.40 ± 0.15	1.95	11
16	119 x 0.40	5.4	7.60 ± 0.15	1.24	17
25	182 x 0.40	6.7	9.20 ± 0.20	0.795	25
35	266 x 0.40	7.9	10.6 ± 0.20	0.565	35
50	378 x 0.40	9.4	12.3 ± 0.25	0.393	50
70	348 x 0.50	11.5	14.6 ± 0.25	0.277	68
95	444 x 0.50	12.9	16.3 ± 0.30	0.210	89
120	551 x 0.50	14.8	18.4 ± 0.30	0.164	110
150	722 x 0.50	17.0	20.8 ± 0.30	0.132	142
185	874 x 0.50	18.5	22.5 ± 0.30	0.108	171
240	1147 x 0.50	21.3	25.7 ± 0.30	0.0817	225

Technical Specification

Voltage rating	≤ 0.50 mm ² : 450/750 V AC, > 0.50 mm ² : 600/1000 V AC
Test voltage	≤ 0.50 mm ² : 2500 V AC, > 0.50 mm ² : 3500 V AC
Temperature range	-55°C to +155°C
Max. conductor temperature at short circuit	+280°C (max. 5 s)
Min. bending radius	≤ 35 mm ² : 3 x D, > 35 mm ² : 4 x D
Standard packaging	100, 1000 m spools/coils (0.25 - 2.5 mm ²) 25, 50 m rings/100 m spools (4 - 50 mm ²)

HUBER+SUHNER Group is certified according to ISO 9001 and ISO 14001



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