



RADOX 155

Multicore cable screened

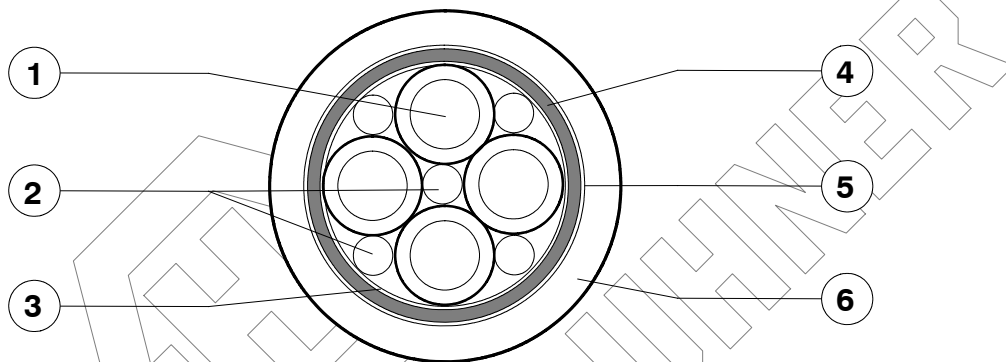
General Properties :

Excellent high temperature, low temperature, ozone and weathering resistance, flame retardant, soldering iron resistant, flexible, easy to strip.

Application :

For permanent installation inside and outside to connect fixed and moving parts.

General composition of cable :



- | | |
|---|---|
| <p>1. Cores
(for details see table 1)</p> <p>2. Filler (if necessary)</p> <p>3. Wrapping (if necessary)</p> <p>4. Screen</p> <p>5. Wrapping (if necessary)</p> <p>6. Sheath</p> | <p>Conductor : stranded tin plated copper, acc. to IEC 60228 cl. 5
Insulation : RADOX 155 :extruded irradiation crosslinked polyolefin,
Colours : 2 to 5 cores acc. CENELEC, HD 308
6 and more cores BK numbered +1 x GNYE
(colours acc. customer requirements on request)</p> <p>RADOX 125</p> <p>Plastic tape</p> <p>Tin plated copper braid, covering : $\geq 85\%$</p> <p>Plastic tape</p> <p>RADOX 155, extruded irradiation crosslinked polyolefin,
Colour : black</p> |
|---|---|

Printing on sheath : HUBER+SUHNER RADOX 155 [Article Number] - [batch. - Nr.] [prod.- place.]

Technical Data :

Temperature range	fixed	- 55 ... +155 ... °C
Minimum temperature	flexing	- 40 ... °C
Maximum conductor temperature at short circuit (max. 5s)		+ 280 ... °C
Min. bending radius	fixed	4 x cable dia.
	flexing	5 x cable dia.

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The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

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Table 1 :

Dimensions, conductor resistance at 20°C, weight, nominal and test voltage,

Size n x mm ²	Conductor		Core dia. mm	R ₂₀ max Ω / km	Screen dia. mm	Cable dia. mm	Weight nom kg/100m	Nominal- voltage V	Test- voltage V
	constr. n x mmØ	max. dia. mm							
2 x 0.25	19 x 0.12	0.61	1.45 ± 0.05	88.5	3.35	5.1 ± 0.3	3.43	450/750	2500
6 x 0.25	19 x 0.12	0.61	1.45 ± 0.05	88.5	5.07	6.95±0.15	6.71	450/750	2500
4x2x0.25	19 x 0.12	0.61	1.45 ± 0.05	88.5	7.4	9.6 ± 0.3	10.4	450/750	2500
4x(2x0.25)	19 x 0.12	0.61	1.45 ± 0.05	88.5	11.2	14.0 ± 0.4	27.7	450/750	2500
2 x 0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	4.1	5.9 ± 0.3	4.8	450/750	2500
4 x 0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	5.55	7.6 ± 0.15	7.62	450/750	2500
6 x 0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	5.9	8.15 ± 0.3	9.65	450/750	2500
10 x 0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	7.5	9.9 ± 0.3	14.2	450/750	2500
16 x 0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	9.0	11.6 ± 0.4	20.3	450/750	2500
2x2x0.5	19 x 0.18	0.9	1.71 ± 0.10	40.1	7.0	9.2 ± 0.3	10.2	450/750	2500
3 x 1.5	30 x 0.25	1.61	2.85 ± 0.10	13.3	6.6	9.1 ± 0.3	12.2	600/1000	3500
3 G 1.5	30 x 0.25	1.61	2.85 ± 0.10	13.3	6.6	9.1 ± 0.3	12.2	600/1000	3500
4 G 1.5	30 x 0.25	1.61	2.85 ± 0.10	13.3	7.8	10.2 ± 0.4	12.2	600/1000	3500
10 G 1.5	30 x 0.25	1.61	2.85 ± 0.10	13.3	11.9	15.3 ± 0.4	33.2	600/1000	3500
26 G 1.5	30 x 0.25	1.61	2.85 ± 0.10	13.3	18.0	22.9 ± 0.5	74.1	600/1000	3500
2 x 2.5	48 x 0.25	2.06	3.5 ± 0.10	8.6	7.7	10.2 ± 0.4	14.9	600/1000	3500
3 x 2.5	48 x 0.25	2.06	3.5 ± 0.10	8.6	8.4	10.9 ± 0.4	18.5	600/1000	3500
8 G 2.5	48 x 0.25	2.06	3.5 ± 0.10	8.6	14.5	17.9 ± 0.5	49.8	600/1000	3500
9 G 2.5	48 x 0.25	2.06	3.5 ± 0.10	8.6	15.1	18.6 ± 0.5	51.8	600/1000	3500
9 G 4	56 x 0.30	2.6	4.2 ± 0.10	5.09	18.5	22.7 ± 0.5	81.0	600/1000	3500
9 x 10	78 x 0.40	4.4	6.4 ± 0.15	1.95	27.0	32.3 ± 0.6	175.0	600/1000	3500
9 x 16	119 x 0.4	5.4	7.6 ± 0.15	1.24	32.2	38.0 ± 0.6	243.5	600/1000	3500
9 x 25	182 x 0.4	6.7	9.2 ± 0.2	0.795	38.6	45.1 ± 0.6	326.0	600/1000	3500