



Radox 155

Multicore cables screened

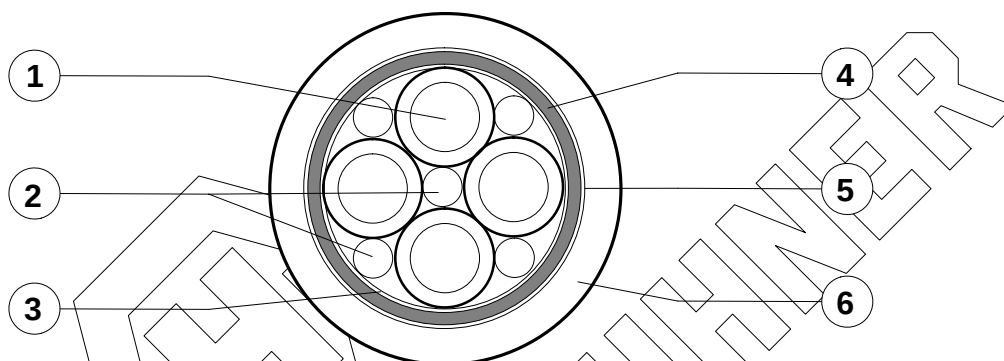
General Properties :

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 :



1. Cores
(for details see table 1)

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
(or colours acc. customer requirements on request)

2. Filler (if necessary)

Radox 125

3. Wrapping (if necessary)

Plastic tape

4. Screen

Tin plated copper braid, covering : $\geq 85\%$

5. Wrapping (if necessary)

Plastic tape

6. Sheath

Radox 155, extruded irradiation crosslinked polyolefin,
Colour : black

Printing on sheath :

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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.

The cables pass the following fire tests:

Vertical flame spread of a single cable . EN 50265-2-1, IEC 60332-1

Vertical flame spread of bunched cables DIN EN 50266-2-5 Category D

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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 constr. n x mmØ	max. dia. mm	Core dia. mm	R ₂₀ max Ω / km	Screen dia. mm	Cable dia. mm	Weight nom kg/100m	Nominal- voltage V	Test- voltage V
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	11.2	14.0 ± 0.4	27.7	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
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
3 G 1.5	30 x 0.25	1.61	2.73 ± 0.10	13.3	6.6	8.7 ± 0.3	11.6	600/1000	3500
10 G 1.5	30 x 0.25	1.61	2.73 ± 0.10	13.3	11.9	14.7 ± 0.4	33.2	600/1000	3500
26 G 1.5	30 x 0.25	1.61	2.73 ± 0.10	13.3	18.0	22.0 ± 0.5	74.1	600/1000	3500
8 G 2.5	50 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	50 x 0.25	2.06	3.5 ± 0.10	8.6	15.1	18.6 ± 0.5	51.8	600/1000	3500