



Radox 155

Multicore cables

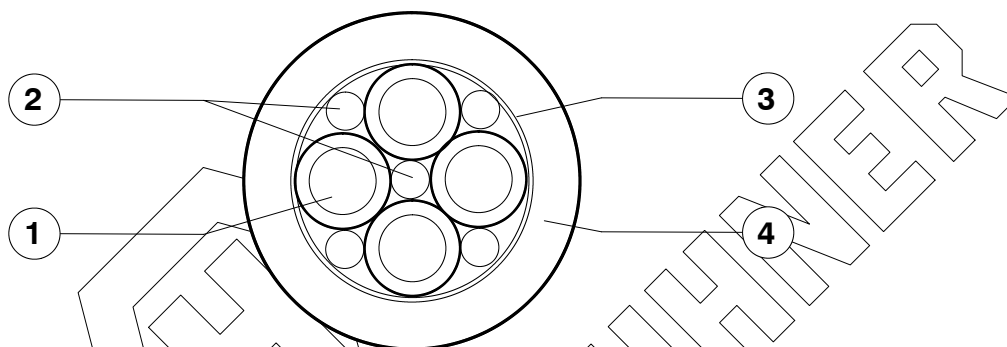
General Properties :

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
(colours acc. customer requirements on request)

2. Filler (if necessary)

Radox 125

3. Wrapping (if necessary)

Plastic tape

4. Sheath

Radox 155, extruded irradiation crosslinked polyolefin,
Colour : black

Printing on sheath :

Huber + Suhner Switzerland Radox 155

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	3 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 constr. x mmØ	max. dia. n mm	Core dia. mm	R ₂₀ max Ω / km	Cable dia. mm	Weight nom kg/100m	Nominal- voltage V	Test- voltage V
4 x 0.25	19 x 0.13	0.6	1.45 ± 0.05	85.9	5.4 ± 0.3	3.3	450/750	2500
3 x 0.34	19 x 0.15	0.75	1.55 ± 0.10	57.2	5.1 ± 0.3		450/750	2500
2 x 0.50	19 x 0.18	0.9	1.7 ± 0.10	40.1	5.2 ± 0.3		450/750	2500
3 x 0.50	19 x 0.18	0.9	1.7 ± 0.10	40.1	5.6 ± 0.3	4.0	450/750	2500
8 x 0.50	19 x 0.18	0.9	1.7 ± 0.10	40.1	8.75 ± 0.3		450/750	2500
16 x 0.50	19 x 0.18	0.9	1.7 ± 0.10	40.1	10.4 ± 0.4		450/750	2500
3 x 0.75	24 x 0.20	1.15	2.2 ± 0.10	26.7	6.7 ± 0.3	5.9	600/1000	3500
4 x 0.75	24 x 0.20	1.15	2.2 ± 0.10	26.7	7.5 ± 0.3		600/1000	3500
2 x 1.0	32 x 0.20	1.3	2.6 ± 0.10	20.0	7.0 ± 0.3	6.1	600/1000	3500
3 x 1.0	32 x 0.20	1.3	2.6 ± 0.10	20.0	7.6 ± 0.3	7.7	600/1000	3500
2 x 1.5	30 x 0.25	1.55	2.7 ± 0.10	13.7	7.5 ± 0.3	6.6	600/1000	3500
3 x 1.5	30 x 0.25	1.55	2.7 ± 0.10	13.7	7.9 ± 0.3	9.2	600/1000	3500
4 x 1.5	30 x 0.25	1.55	2.7 ± 0.10	13.7	8.8 ± 0.3	11.7	600/1000	3500
5 x 1.5	30 x 0.25	1.55	2.7 ± 0.10	13.7	10.1 ± 0.4	15.0	600/1000	3500
3 x 2.5	50 x 0.25	2.05	3.35 ± 0.10	8.21	9.9 ± 0.3	14.6	600/1000	3500
4 x 2.5	50 x 0.25	2.05	3.35 ± 0.10	8.21	11.0 ± 0.4	18.6	600/1000	3500
5 x 2.5	50 x 0.25	2.05	3.35 ± 0.10	8.21	11.9 ± 0.4	22.3	600/1000	3500