



RADOX 155

Multicore cables

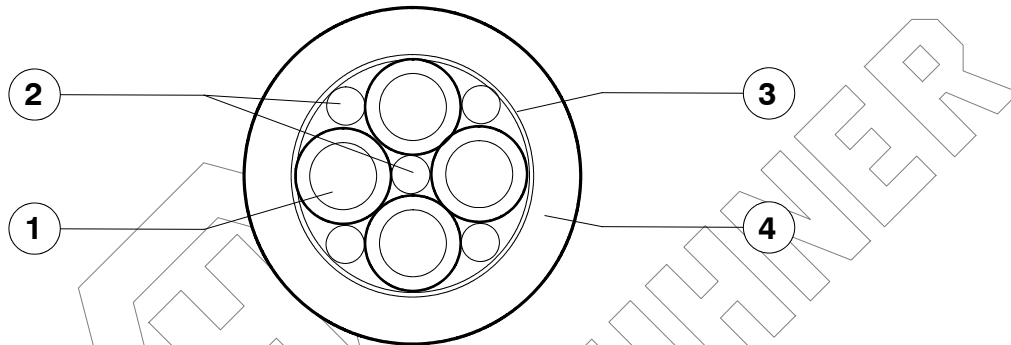
General Properties :

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 | Plastic tape |
| 4. Sheath | RADOX 155, extruded irradiation crosslinked polyolefin
Colour: black |

Printing on sheath : HUBER+SUHNER RADOX 155 [art. no.] - [batch. no.] [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	3 x cable dia.
	flexing	5 x cable dia.

Copyright 2016 HUBER+SUHNER AG. This document may not be amended and its content is confidential. It may not be passed on to third party which are not bound by confidentiality.

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.

HUBER+SUHNER AG

Low Frequency Division

CH- 8330 Pfäffikon



+41 (0)44 952 22 11



+41 (0)44 952 26 40

www.hubersuhner.com



RADOX 155

Multicore cables

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
2 x 0.25	19 x 0.13	0.6	1.45 ± 0.05	85.9	4.5 ± 0.3	2.3	450/750	2500
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
6 x 0.25	19 x 0.13	0.6	1.45 ± 0.05	85.9	6.5 ± 0.3	4.9	450/750	2500
3 x 0.34	19 x 0.15	0.77	1.6 ± 0.10	57.2	5.2 ± 0.3	3.4	450/750	2500
2 x 0.50	19 x 0.18	0.9	1.71 ± 0.10	40.1	5.2 ± 0.3	3.3	450/750	2500
3 x 0.50	19 x 0.18	0.9	1.71 ± 0.10	40.1	5.6 ± 0.3	4.0	450/750	2500
4 x 0.50	19 x 0.18	0.9	1.71 ± 0.10	40.1	6.1 ± 0.3	4.9	450/750	2500
8 x 0.50	19 x 0.18	0.9	1.71 ± 0.10	40.1	8.75 ± 0.3	10.0	450/750	2500
2 x 0.75	24 x 0.20	1.15	2.25 ± 0.10	26.7	6.5 ± 0.3	4.9	600/1000	3500
4 x 0.75	24 x 0.20	1.15	2.25 ± 0.10	26.7	7.5 ± 0.3	7.5	600/1000	3500
2 x 1.0	32 x 0.20	1.3	2.5 ± 0.10	20.0	7.0 ± 0.3	6.1	600/1000	3500
3 x 1.0	32 x 0.20	1.3	2.5 ± 0.10	20.0	7.6 ± 0.3	7.7	600/1000	3500
6 x 1.0	32 x 0.20	1.3	2.5 ± 0.10	20.0	8.9 ± 0.3	11.6	600/1000	3500
2 x 1.5	30 x 0.25	1.55	2.85 ± 0.10	13.7	7.8 ± 0.3	7.8	600/1000	3500
3 x 1.5	30 x 0.25	1.55	2.85 ± 0.10	13.7	8.4 ± 0.3	9.4	600/1000	3500
2 x 2.5	48 x 0.25	2.05	3.5 ± 0.10	8.21	9.3 ± 0.3	11.6	600/1000	3500
3 x 2.5	48 x 0.25	2.05	3.5 ± 0.10	8.21	9.95 ± 0.3	14.4	600/1000	3500
4 x 2.5	48 x 0.25	2.05	3.5 ± 0.10	8.21	11.0 ± 0.4	18.6	600/1000	3500
12 x 2.5	48 x 0.25	2.05	3.5 ± 0.10	8.21	17.8 ± 0.4	47.2	600/1000	3500
4 x 4.0	56 x 0.30	2.65	4.2 ± 0.15	5.09	13.1 ± 0.4	25.8	600/1000	3500
2 x 6.0	82 x 0.30	3.3	5.0 ± 0.10	3.39	12.7 ± 0.4	21.8	600/1000	3500
3 G 6.0	82 x 0.30	3.3	5.0 ± 0.10	3.39	13.7 ± 0.4	29.2	600/1000	3500
3 X 6.0	82 x 0.30	3.3	5.0 ± 0.10	3.39	13.7 ± 0.4	29.2	600/1000	3500
4 G 6.0	82 x 0.30	3.3	5.0 ± 0.10	3.39	15.5 ± 0.4	37.4	600/1000	3500
5 G 6.0	82 x 0.30	3.3	5.0 ± 0.10	3.39	17.4 ± 0.5	46.7	600/1000	3500
3 x 10	78x0.40	4.4	6.40 ± 0.15	1.95	17.2 ± 0.5	50.0	600/1000	3500
5 x 16	119x0.40	5.4	7.60 ± 0.15	1.24	25.9 ± 0.6	114	600/1000	3500
4 x 35	266x0.40	7.9	10.6 ± 0.20	0.565	31.1 ± 0.6	179	600/1000	3500
5 x 35	266x0.40	7.9	10.6 ± 0.20	0.565	34.4 ± 0.6	224	600/1000	3500