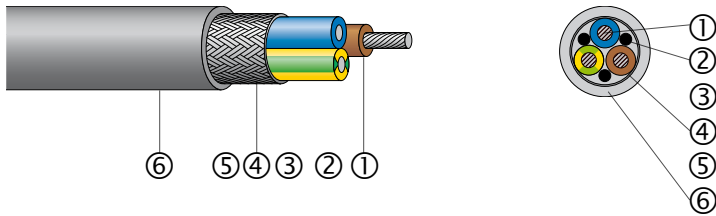


# RADOX® 155

## Multi core cable – screened



- excellent high and low temperature and ozone resistance
- weatherproof
- flame retardant
- soldering resistant
- flexible
- easy to strip

### Application

Permanent installation indoor and outdoor for the connection of fixed and loose parts.

### Composition of cable

① Core:	
Conductor	stranded tin plated copper, acc. to EN 60228, class 5
Insulation	RADOX® 155
Core colours	extruded and electron beam crosslinked polyolefin copolymer 2 up to 5 core acc. to CENELEC HD 308 (see page 139) 6 core and more: black numbered with yellow/green earthing other colours on request
② Fillers (optional)	RADOX® 125
③ Separator (optional)	plastic tape
④ Screen	copper braid, optical coverage: ≥ 85 %
⑤ Separator (optional)	plastic tape
⑥ Sheath	RADOX® 155
Colour	extruded and electron beam crosslinked polyolefin copolymer black

### Technical data

Voltage rating $U_o/U$	≤ 16 x 0.50 mm <sup>2</sup>	450/750 V AC
Test voltage	≤ 16 x 0.50 mm <sup>2</sup>	2500 V AC
Voltage rating $U_o/U$	> 16 x 0.50 mm <sup>2</sup>	600/1000 V AC
Test voltage	> 16 x 0.50 mm <sup>2</sup>	3500 V AC
Temperature range	fixed	-55 °C up to +155 °C
Min. operating temperature	flexible	-40 °C
Max. conductor temperature	at short circuit (max. 5s)	+280 °C
Min. bending radius	fixed	4 x cable-dia.
	flexible	5 x cable-dia.

### Fire tests

Flame propagation:		
Vertical of a single cable	EN 50265-2-1, IEC 60332-1	
Vertical of bunched cables	DIN EN 50266-2-5	Category D

# RADOX® 155

Multi core cable – screened

Extract from our delivery programme

Cross section n x mm <sup>2</sup>	Conductor			Core	Screen	Cable	Weight
	Construction nom. n x mm dia.	dia. max. mm	R <sub>20</sub> IEC 60228 max. Ω/km	dia. mm	dia. mm	dia. mm	nom. kg/100 m
2 x 0.25	19 x 0.12	0.61	88.5	1.45 ± 0.05	3.35	5.1 ± 0.3	3.43
6 x 0.25	19 x 0.12	0.61	88.5	1.45 ± 0.05	5.07	6.95 ± 0.15	6.71
4x2x0.25	19 x 0.12	0.61	88.5	1.45 ± 0.05	11.2	14.0 ± 0.4	27.7
4 x 0.5	19 x 0.18	0.9	40.1	1.71 ± 0.10	5.55	7.6 ± 0.15	7.62
16 x 0.5	19 x 0.18	0.9	40.1	1.71 ± 0.10	9.0	11.6 ± 0.4	20.3
3 G 1.5	30 x 0.25	1.61	13.3	2.73 ± 0.10	6.6	8.7 ± 0.3	11.6
10 G 1.5	30 x 0.25	1.61	13.3	2.73 ± 0.10	11.9	14.7 ± 0.4	33.2
26 G 1.5	30 x 0.25	1.61	13.3	2.73 ± 0.10	18.0	22.0 ± 0.5	74.1
8 G 2.5	50 x 0.25	2.06	8.6	3.5 ± 0.10	14.5	17.9 ± 0.5	49.8
9 G 2.5	50 x 0.25	2.06	8.6	3.5 ± 0.10	15.1	18.6 ± 0.5	51.8

Other cross sections on request.