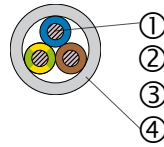
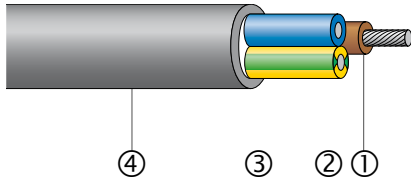


# RADOX® 155

## Multi core cable



- 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 Sheath	RADOX® 155
Colour	extruded and electron beam crosslinked polyolefin copolymer black

### Technical data

Voltage rating $U_o/U$	$\leq 16 \times 0.50 \text{ mm}^2$	450 / 750 V AC
Test voltage	$\leq 16 \times 0.50 \text{ mm}^2$	2500 V AC
Voltage rating $U_o/U$	$> 16 \times 0.50 \text{ mm}^2$	600 / 1000 V AC
Test voltage	$> 16 \times 0.50 \text{ mm}^2$	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	3 x cable-dia.
	flexible	5 x cable-dia.

# RADOX® 155

## Multi core cable

Extract from our delivery programme

Cross section n x mm <sup>2</sup>	Conductor			Core	Cable	Weight
	Construction nom. n x mm dia.	dia. max. mm	R <sub>20</sub> IEC 60228 max. Ω/km	dia. mm	dia. mm	nom.
4 x 0.25	19 x 0.13	0.6	85.9	1.45 ± 0.05	5.4 ± 0.3	3.3
3 x 0.34	19 x 0.15	0.75	57.2	1.55 ± 0.10	5.1 ± 0.3	-
2 x 0.50	19 x 0.18	0.9	40.1	1.7 ± 0.10	5.2 ± 0.3	-
3 x 0.50	19 x 0.18	0.9	40.1	1.7 ± 0.10	5.6 ± 0.3	4.0
8 x 0.50	19 x 0.18	0.9	40.1	1.7 ± 0.10	8.75 ± 0.3	-
16 x 0.50	19 x 0.18	0.9	40.1	1.7 ± 0.10	10.4 ± 0.4	-
3 x 0.75	24 x 0.20	1.15	26.7	2.2 ± 0.10	6.7 ± 0.3	5.9
4 x 0.75	24 x 0.20	1.15	26.7	2.2 ± 0.10	7.5 ± 0.3	-
2 x 1.0	32 x 0.20	1.3	20.0	2.6 ± 0.10	7.0 ± 0.3	6.1
3 x 1.0	32 x 0.20	1.3	20.0	2.6 ± 0.10	7.6 ± 0.3	7.7
2 x 1.5	30 x 0.25	1.55	13.7	2.7 ± 0.10	7.5 ± 0.3	6.6
3 x 1.5	30 x 0.25	1.55	13.7	2.7 ± 0.10	7.9 ± 0.3	9.2
4 x 1.5	30 x 0.25	1.55	13.7	2.7 ± 0.10	8.8 ± 0.3	11.7
5 x 1.5	30 x 0.25	1.55	13.7	2.7 ± 0.10	10.1 ± 0.4	15.0
3 x 2.5	50 x 0.25	2.05	8.21	3.35 ± 0.10	9.9 ± 0.3	14.6
4 x 2.5	50 x 0.25	2.05	8.21	3.35 ± 0.10	11.0 ± 0.4	18.6
5 x 2.5	50 x 0.25	2.05	8.21	3.35 ± 0.10	11.9 ± 0.4	22.3

Other cross sections on request.