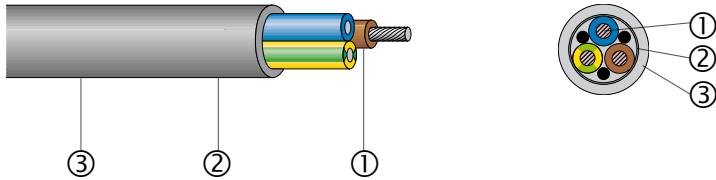


# RADOX® SOLAR cable

## Multi core cable



- high resistance against heat, ozone and weatherproof
- extremely mechanically robust, very long lifetime
- halogen free
- space saving, easy to install
- flame retardant
- no corrosive gases and low smoke occurrence in case of fire
- soldering resistant
- flexible, easy to strip

### Application

Connecting photovoltaic system components inside and outside of buildings and equipment with high mechanical requirements and extreme weather influences. For permanent installations.

### Composition of cable

① Conductor	stranded tin plated copper, fine wired, acc. to EN 60228, class 5
② Insulation	RADOX® 125
Colour	2-5 cores acc. to CENELEC, HD 308 S2 (see page 139) as of 6 cores black-numbered with earth conductor yellow-green (other colours on request)
③ Sheat	RADOX® 125
Colour	black

### Technical data

Voltage rating		1000V DC or 600 / 1000V AC
Test voltage		3500 V AC
Temperature range	fixed	-40 up to +125 °C
Min. operating temperature	flexing	-25 °C
Max. conductor temperature	(short circuit at max. 5s)	+ 280 °C
Min. bending radius	fixed	3 x cable-dia.
	flexing	5 x cable-dia.

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### Fire tests

Flame propagation:

Vertical of a single cable

EN 50265-2-1, IEC 60332-1

Vertical of bunched cable

EN 50266-2-4, IEC 60332-3-24 Category C

Content of halogen acid gas

EN 50267-2-1, IEC 60754-1 0 mg/g

Corrosivity of combustion gases

EN 50267-2-2, IEC 60754-2

Smoke density

EN 50268-2, IEC 61034-2

### Extract from our delivery programme

Cross section mm <sup>2</sup>	Conductor		Core	Cable	Weight
	Construction nom. n x mm dia.	dia. nom. mm	dia. nom. mm	dia. nom. mm	nom. kg/100 m
2 x 2.5	48 x 0.25	2.05	3.50 ± 0.10	9.1 ± 0.3	13.0
3 x 2.5	48 x 0.25	2.05	3.50 ± 0.10	10.1 ± 0.4	16.6
4 x 2.5	48 x 0.25	2.05	3.50 ± 0.10	11.4 ± 0.4	20.9
5 x 2.5	48 x 0.25	2.05	3.50 ± 0.10	12.4 ± 0.4	24.9
7 x 2.5	48 x 0.25	2.05	3.50 ± 0.10	15.3 ± 0.5	37.9
2 x 4.0	56 x 0.30	2.60	4.15 ± 0.15	11.0 ± 0.4	18.7
4 x 4.0	56 x 0.30	2.60	4.15 ± 0.15	13.0 ± 0.4	29.8
5 x 4.0	56 x 0.30	2.60	4.15 ± 0.15	14.6 ± 0.4	36.7
4 x 6.0	81 x 0.30	3.40	4.95 ± 0.15	15.6 ± 0.5	41.8
2 x 10.0	78 x 0.40	4.40	6.15 ± 0.15	15.8 ± 0.5	50.4
3 x 10.0	78 x 0.40	4.40	6.15 ± 0.15	17.0 ± 0.5	62.0
4 x 10.0	78 x 0.40	4.40	6.15 ± 0.15	18.9 ± 0.5	77.5
5 x 10.0	78 x 0.40	4.40	6.15 ± 0.15	21.4 ± 0.5	98.3

Other cross sections and colours on request.