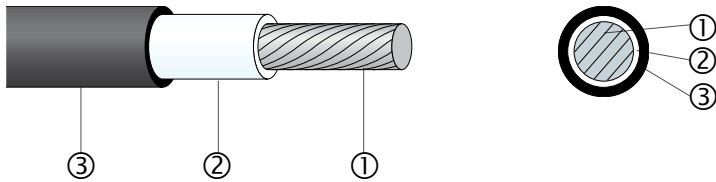


RADOX® SolarLink

Single core cable



- UL and TÜV approval
- double insulated construction allows for installation without a conduit
- smaller outer diameter
- of proven RADOX® quality
- very flexible

Composition of cable

① Conductor	stranded tin plated copper, fine wired, acc. to EN 60228, class 5
② Inner insulation	RADOX® 155
③ Outer insulation	RADOX® 155
Colour	black

Technical data

UL:	voltage rating	600 V AC
	test voltage AC	3.0 kV AC
	temperature rating	90 °C wet or dry, sunlight resistant
TÜV:	Voltage rating line to ground	U_o 600 V AC
	Voltage rating line to line	U 1000 V AC
	maximum voltage line to ground	V_o 1000 V DC
	maximum voltage line to line	1650 V DC
	test voltage AC	3.5 kV AC
	test voltage DC	8.4 kV DC
	lower ambient temperature	-40 °C
	upper ambient temperature	+85 °C
	maximum conductor temperature	+110 °C
Min. bending radius		4 x cable-dia.

Application

United States:

- Type PV: suitable for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in section 690.31 (A) and other parts of the National Electrical Code (NEC), NFPA 70.
For single conductor, double insulated wires installation without using a conduit is permitted according to section 690.35 (D) of the NEC.
- Type RHH or RHW-2: suitable for use in any of the wiring methods recognized in chapter 3 and as specified in their respective tables or as permitted elsewhere in the NEC.

Europe:

- suitable for the installation methods reference no. 2, 3A, 4A, 5A, 11, 11A, 12, 13, 14, 15, 16, 21, 22A, 23A, 24A, 25, 31A, 32A, 33A, 41, 43, 51, 72, 73, 75 given in table 52H of HD 384.5.52 (CH: SEV 1000 cl. 5.2; DE: DIN VDE 0100-520).

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Fire tests

Flame propagation:

Vertical FT1

UL 1581 # 1060

L ≤ 250 mm, T ≤ 60 s

Vertical

EN 60332-1-2, IEC 60332-1-2

50 < L ≤ 540 mm

Approvals

UL	Photovoltaic Wire	Type PV, UL subject 4703, UL listed E305787
UL	Thermoset-insulated Wires and Cables	Type RHH and RHW-2, UL 44, listed E310273
TÜV Rheinland	Wires for photovoltaic-systems	2 Pfg 1169, certificate R60017683

Extract from our delivery programme

Cross section		Conductor			Cable	Weight	Item no.
nom.		Constr. nom. n x mm dia.	dia. max. nom. mm	R ₂₀ IEC 60228 max. Ω/km	dia. mm	nom. kg/100 m	
AWG	mm ²						
14	2.5	48 x 0.26	2.0	8.21	5.35 ± 0.10	5.1	12582664
12	4.0	56 x 0.30	2.5	5.09	6.05 ± 0.10	7.1	12582665
10	6.0	82 x 0.30	3.2	3.39	7.15 ± 0.15	9.9	12583784

Other cross sections and colours on request.