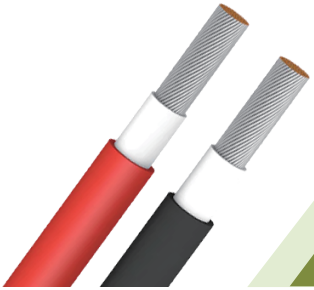

TINNED COPPER 0.6KV OR 1KV/2KV PHOTOVOLTAIC CABLE

APPLICATIONS

SOLAR CABLE IS DESIGNED FOR PHOTOVOLTAIC SYSTEMS, COMPLIANT WITH UL 4703, UL 2556, UL 1581, UL 854, ROHS. IT IS APPROVED FOR LARGE-SCALE SOLAR PLANTS, ROOFTOP INSTALLATIONS, AND FLOATING SOLAR STATIONS IN HARSH INDOOR AND OUTDOOR ENVIRONMENTS, INCLUDING EXTREME WEATHER CONDITIONS. THE CABLE ENSURES STABLE PERFORMANCE, REDUCING FAILURE RATES AND OPERATIONAL COSTS OVER ITS LONG SERVICE LIFE. THIS CABLE IS IDEAL FOR DURABLE, HIGH-PERFORMANCE SOLAR INSTALLATIONS REQUIRING RELIABILITY UNDER EXTREME CONDITIONS.

CONSTRUCTION

- **CONDUCTOR**: TINNED COPPER SOFT CONDUCTOR PER UL 4703
- **INSULATION**: LSZH ELECTRON-BEAM CROSS-LINKED POLYOLEFIN COPOLYMER (125°C)
- **OUTER SHEATH**: LSZH ELECTRON-BEAM CROSS-LINKED POLYOLEFIN COPOLYMER (125°C)
- **COLOR OPTIONS**: BLACK/RED

CONSTRUCTION IDENTIFICATION

SINGLE CONDUCTOR: BLACK OR RED

VOLTAGE RATING: 600V OR 1000V/2000V

STANDARDS

THESE CABLES ARE MANUFACTURED AND TESTED TO MEET OR EXCEED THE FOLLOWING STANDARDS:

- UL 4703 - PHOTOVOLTAIC CABLE
- UL 2556 - FIRE-RESISTANT
- UL 1581 - VW-1 FLAME TEST
- UL 854 - LOW TEMPERATURE & STABILITY

FEATURES

- UV, OZONE, AND HYDROLYSIS-RESISTANT
- HIGH-TEMPERATURE TOLERANCE (UP TO 125°C)
- LOW-TEMPERATURE FLEXIBILITY (-40°C TO +90°C)
- SERVICE LIFE ≥ 25 YEARS
- BENDING RADIUS: FIXED >4D, OCCASIONALLY MOVED >5D
- FLAME-RETARDANT, OIL-RESISTANT

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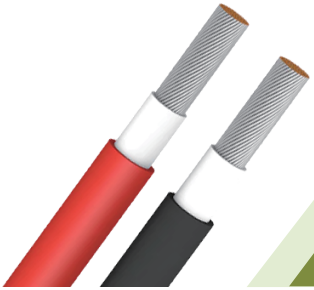

TINNED COPPER 0.6KV OR 1KV/2KV PHOTOVOLTAIC CABLE

DC600V

Specification (Awg)	Conductor Construction (n x mm)	insulation Normal Thickness (mm)	Sheath Normal Thickness (mm)	Outer Diameter (mm)	Max DC Resistance of Conductor at 20°C (Ω/km)	Current Carrying Capacity (A)
1x14AWG	41x0.254	0.76	0.76	4.93	9.15	41
1x12AWG	65x0.254	0.76	0.76	5.4	5.75	55
1x10AWG	104x0.254	0.76	0.76	6.32	3.55	70
1x8AWG	41x0.51	1.14	0.76	7.57	2.23	98
1x6AWG	65x0.51	1.14	1.14	9.3	1.41	132
1x4AWG	299x0.3	1.14	1.14	11.15	0.882	176
1x2AWG	475x0.3	1.14	1.14	12.92	0.555	218
1x1AWG	600x0.3	1.4	1.52	15.31	0.44	280

DC1000V/2000V

Specification (Awg)	Conductor Construction (n x mm)	insulation Normal Thickness (mm)	Sheath Normal Thickness (mm)	Outer Diameter (mm)	Max DC Resistance of Conductor at 20°C (Ω/km)	Current Carrying Capacity (A)
1x14AWG	41x0.254	1.14	0.76	5.69	9.15	41
1x12AWG	65x0.254	1.14	0.76	6.16	5.75	55
1x10AWG	104x0.254	1.14	0.76	7.1	3.55	70
1x8AWG	41x0.51	1.39	0.76	8.07	2.23	98
1x6AWG	65x0.51	1.39	1.14	9.8	1.41	132
1x4AWG	299x0.3	1.39	1.14	11.65	0.882	176
1x2AWG	475x0.3	1.39	1.14	13.42	0.555	218
1x1AWG	600x0.3	1.62	1.52	15.81	0.44	280

**Double core PV cable available for other certifications, not for UL certification.*

**Other certifications available: TÜV - CPR, IEC, CE, and RETIE.*

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