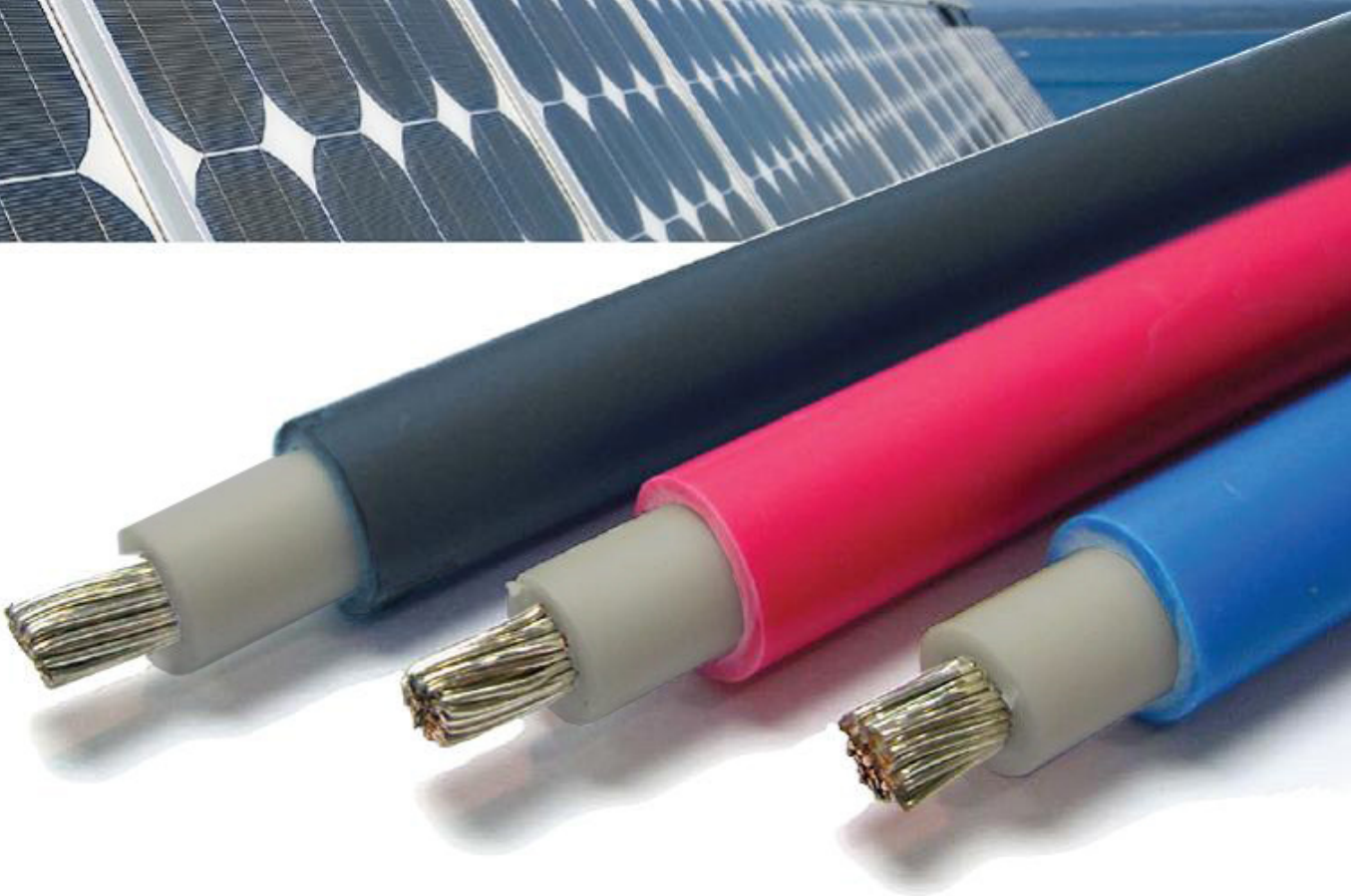


SUNBOLTS®

Photovoltaic Connection

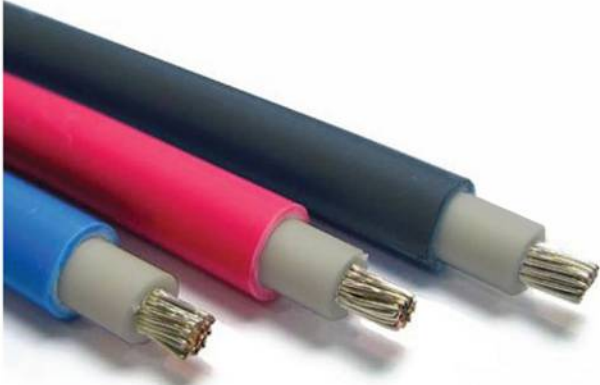


www.sunbolts.com

BizLink



Cables



Technical Data

Materials

Conductor: Tinned copper wire
 Insulation: XLPO
 Jacket: XLPE

Electrical

Rated voltage TÜV: 1000V AC, 1800V DC
 Rated voltage UL: 600V AC
 Rated current: see table

Mechanical

Wire size range: 2.5, 4.0, 6.0 mm²
 AWG 14, 12, 10, 8, 6
 Min. bending radius:
 4 x OD (see table for ODs)

Environmental

Temperature Range TÜV: -40°C up to +90°C
 Temperature Range UL: -40°C up to +90°C
 Flame tested: EN 60332-1-2
 Halogen Free
 RoHS Compliant

Safety Approval and Standards

UL: Approved, File# E318358, E321658
 TÜV: Approved, Cert# R50108426

TÜV Cable (1000V AC, 1800V DC)



Cross Section [mm ²]	Conductor Composition [mm ²]	Outer Diameter [mm]	TÜV Rated Current* [A]	Conductor Resistance [Ω/km]
2.5	50/0.25	6.45±0.2	39	8.21
4.0	56/0.30	6.55±0.2	52	5.09
6.0	84/0.30	7.45±0.2	67	3.39

* single cable on surfaces
 Available in Black, Red or Blue

UL Cable (600V AC)



Cross Section [AWG]	Conductor Composition [mm ²]	Outer Diameter [mm]	UL Rated Current [A]	Conductor Resistance [Ω/km]
14	43/0.25	5.9±0.15	27	8.62
12	48/0.30	6.4±0.15	36	5.43
10	76/0.30	7.0±0.15	47	3.41
8	65/0.404	10.0±0.2	70	2.27
6	105/0.404	11.0±0.2	100	1.43

Available in Black, Red or Blue for AWG 14, 12 and 10
 Available in Black only for AWG 8 and 6

Dual Certified Cable (1000V / 600V AC)



Cross Section [AWG/mm ²]	Conductor Composition [mm ²]	Outer Diameter [mm]	Dual Rated Current* [A]	Conductor Resistance [Ω/km]
14 / 2.5	50/0.25	6.45±0.2	39	8.21
12 / 4.0	56/0.30	6.55±0.15	52	5.09
10 / 6.0	84/0.30	7.45±0.2	67	3.39

* single cable on surfaces
 Available in Black, Red or Blue

The specifications are subject to change without notice!

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