American Standard UL Approved Solar Cable

APPLICATION

Mainly used in wiring of solar power system with earth or no earth

TECHNICAL INDICATORS

Nominal voltage: 600V(AC), 1000V(AC), 2000V(AC)
Ambient temperature: -40°C~+90°C
Conductor maximum temperature: 125°C
Maximum short circuit temperature: ≤250°C/5S
Expected service life: 25 years
Bending radius: ≥4D

STRUCTURE

Conductor: Tinned copper soft conductor in UL4703
Insulation:LSZH electron-beam cross-linked Polyolefin (125°C)
Sheath: LSZH electron-beam cross-linked Polyolefin (125°C)
Color: black or red

CHARACTERISTICS COMPLIANCE

Fire resistance: UL2556
Weather resistance: UL2556
Low temperature test: UL2556
Compliance certification: ROHS UL
Executive standard: UL4703

Structural dimensions and parameters

Model	Specification (AWG)	Insulation Nominal Thickness (mm)	Sheath Nominal Thickness(mm)	Approximate outer diameter(mm)	Maximum DC resistance of conductor at 20°C (Ω/km)
UL-PV-600V	1	1.4	1.52	15.31	0.44
UL-PV-600V	2	1.14	1.14	12.92	0.555
UL-PV-600V	4	1.14	1.14	11.15	0.882
UL-PV-600V	6	1.14	1.14	9.3	1.41
UL-PV-600V	8	1.14	0.76	7.57	2.23
UL-PV-600V	10	0.76	0.76	6.32	3.55
UL-PV-600V	12	0.76	0.76	5.4	5.75
UL-PV-600V	14	0.76	0.76	4.93	9.15
UL-PV-1000V	1	1.65	1.52	15.81	0.44
UL-PV-1000V	2	1.39	1.14	13.42	0.555
UL-PV-1000V	4	1.39	1.14	11.65	0.882
UL-PV-1000V	6	1.39	1.14	9.8	1.41
UL-PV-1000V	8	1.39	0.76	8.07	2.23
UL-PV-1000V	10	1.14	0.76	7.1	3.55
UL-PV-1000V	12	1.14	0.76	6.16	5.75
UL-PV-1000V	14	1.14	0.76	5.69	9.15
UL-PV-2000V	1	1.65	1.52	15.81	0.44

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UL-PV-2000V	14	1.14	0.76	5.69	9.15

PRODUCT CHARACTERISTICS

Electron Beam Crosslinking Compounds
UV and ozone resistant, hydrolysis resistant
High temperature resistance, material will not melt or flow
good cold flexibility
Long service life, more than 25 years at 90°C
Compatible with all common connectors