

UL 4703

PV Wire



SOLAR
SUPER
SONIC

At Solar Super Sonic (SSS), we are committed to shaping a brighter future for America through solar energy. We offer premium PV BOS products engineered to optimize your solar system performance. Our PV wire and MC4 connectors are UL-certified, guaranteeing exceptional quality and safety. Crafted from high-grade materials, our products are built for durability and reliability, ensuring your solar system operates efficiently and securely for years to come.



100% Copper



UV Resistant



Anti-Corrosion

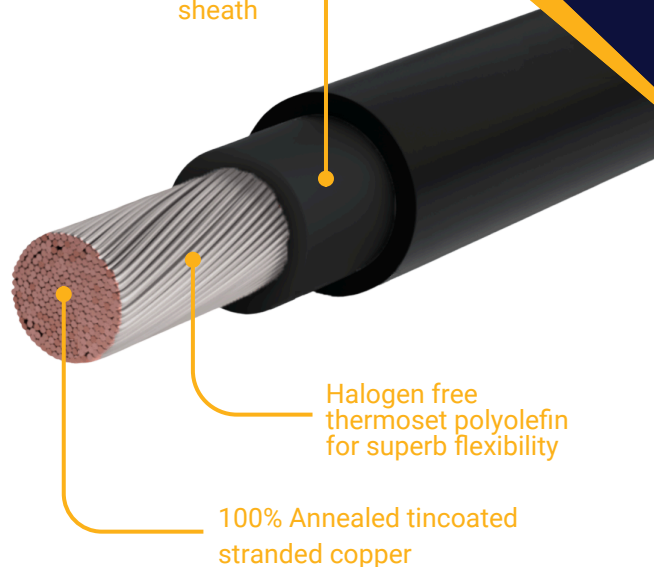


Flexible & Durable

FEATURES AND RATINGS

- Continuous operating temperature from -40°C to 90°C
- Sunlight, UV and Ozone resistant for dry, wet locations
- Voltage rated 2,000V
- 100% Tinned Copper for max efficiency and longevity
- Rated 90°C; Maximum temperature at conductor 120°C
- UL 4703 Listed 2KV Dual-Sheathing Photovoltaic Wire
- RoHS compliant

Low smoke, flame retardant, oil, chemical, UV resistant, halogen free cross linked sheath



Halogen free thermoset polyolefin for superb flexibility

100% Annealed tinned stranded copper



Model #	Wire Size	Number of Strands	Inner Layer Thickness	Outer Jacket Thickness	Outer Diameter (O.D.)	Bending Radius	Conductor Resistance
DCDX4	12AWG 4mm ²	48	0.044in	0.029in	0.244in	1.46in	1.60Ω/1,000ft
DCDX6	10AWG 6mm ²	75	0.044in	0.029in	0.268in	1.60in	1.01Ω/1,000ft
DCDX10	8AWG 10mm ²	66	0.054in	0.029in	0.316in	1.80in	0.63Ω/1,000ft

Cable diameters and weights are subject to +/- 5% manufacturing tolerance



		PV-UL 8AWG	PV-UL 10AWG	PV-UL 12AWG
Conductor	# Strands	66	75	48
	Individual Strand O.D	0.015in	0.012in	0.012in
	Material	Tinned Copper	Tinned Copper	Tinned Copper
	Conductor O.D	0.148in	0.117in	0.094in
Insulation	Material	XLPO	XLPO	XLPO
	Avg. Thickness (in)	0.055in	0.044in	0.044in
	Min. Thickness (in)	0.046in	0.038in	0.038in
	Outer Diameter (O.D)	0.255in	0.208in	0.185in
Jacket	Color	Black/Red	Black/Red	Black/Red
	Material	XLPO	XLPO	XLPO
	Avg. Thickness(mm/in)	0.029in	0.029in	0.029in
	Min. Thickness(mm/in)	0.025in	0.025in	0.025in
	Outer Diameter (O.D)	8.05±0.3	6.82±0.2	6.20±0.3
Electrical Properties	Voltage rating	2,000V/2KV	2,000V/2KV	2,000V/2KV
	Voltage Tested in QC	6,500V	6,500V	6,500V
	Conductor Resistance	0.63Ω/1,000ft	1.01Ω/1,000ft	1.60Ω/1,000ft
Mechanical Properties	Elongation of unaged values	≥125%	≥125%	≥125%
	Min. Bend Radius	1.80in	1.60in	1.46in
	Tensile strenght of unaged values	≥6.5	≥6.5	≥6.5
	Temperature Rating	-40°C to 90°C	-40°C to 90°C	-40°C to 90°C