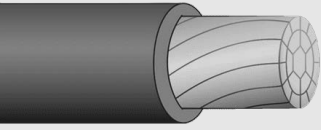


ALUMINUM PHOTOVOLTAIC WIRE UL 4703



APPLICABLE STANDARDS AND TESTS

- ✓ ASTM B800, B801 and B836
- ✓ CSA C22.2 No. 271-11
- ✓ ICEA S-95-658/NEMA WC70, ICEA S-66-524/NEMA WC7
- ✓ NEC NFPA 70, NEC 310, NEC Section 690.31
- ✓ UL 44, UL 66, UL 83, UL 854, UL 1581, UL 4703
- ✓ Spark tested at 7500 VAC

VALUE ADD SERVICE

- ✓ Custom lengths and put-ups
- ✓ 12 available colors
- ✓ Wire paralleling and cabling
- ✓ Wire stripping
- ✓ Custom print legends and labels

SCOPE

Single conductor photovoltaic wire rated for interconnection wiring of grounded and ungrounded photovoltaic power systems. Approved for Direct Burial rated for a maximum continuous operating temperature between -40°C and 90°C in wet and 105°C in dry conditions.

CONSTRUCTION

Conductors: The single conductors are compact stranded 8000 series aluminum alloy.

Insulation: Concentrically applied XLP (crosslinked polyethylene) insulation, rated at 2000V. Sunlight Resistant, FV-1 flame retardant, Oil and Gasoline Resistant Cat II.

IDENTIFICATION AND PACKAGING

The wire shall be identified by surface marking indicating the manufacturer and AWG size. Products will be identified and surface printed in accordance with the UL requirements. 500 or 2500 feet length bulk reels are standard. Custom lengths, non-standard colors, AWG, and custom packaging are available by request.

MCM	Standard # of Strands	Bending Radius (inches)	Insulation Thickness (inches)	Nominal Overall Diameter – Inches	Approx. Shipping Weight (Lbs./Mft.)
250	19	3.08"	0.120	0.77"	366
350	37	3.44"	0.120	0.86"	476
500	37	3.92"	0.120	0.98"	647
600	61	4.35"	0.135	1.09"	787
750	61	4.72"	0.135	1.18"	950



SNAP FOR MORE INFORMATION

Spec: Photovoltaic Wire UL 4703
Issued: 11/06/2023
Supersedes: 09/27/2023