

Making the Right Choice “USE-2 vs. Photovoltaic (PV) Wire”

P-Sun®



	USE-2	PV
Ratings	Up to 90°C wet and dry Limited to 600v	Up to 90°C wet, 150°C dry Available up to 2kv
Construction	Only for Grounded PV arrays 60 mil Insulation 14 AWG+	For Grounded or Ungrounded PV Arrays 75 mil insulation (60 mils + 15 mils for mechanical protection) 18 AWG+
Testing	Flame test not required Maintain 80% tensile and elongation after <u>300</u> hours of UV exposure -25°C Cold Bend Testing	FV-1 flame test required: Flame propagation and burning particles Maintain 80% tensile and elongation after <u>720</u> hours of UV exposure -40°C Cold Bend Testing

These enhanced features enable the wire to more adequately cope with the intense demands of PV systems and the environment with which they are placed. To meet these demands, The Prysmian Group has introduced the new P-Sun® Photovoltaic Wire.

Description

Single copper conductor with 2kV, cross-linked polyethylene (XLPE) insulation – RoHS compliant.

Design Parameters

CONDUCTOR: Class B & C compressed concentric strand soft drawn annealed copper or Class B & C compact concentric tinned-copper per ASTM or 8000 series compact aluminum.

INSULATION: High quality, heat and moisture resistant thermosetting cross-linked polyethylene insulation.

Ratings

- UL Photovoltaic (PV) wire & cUL rated for RPVU90
- Type RHW-2
- -40
- FV-1 (Vertical Flame Rated)
- Sunlight Resistant
- For 90°C Wet or Dry Operation

For more information, or to request a quote, please call +1.800.845.8507

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