



Product: [38214](#) 

UL Type PV Wire, #14 Str TC, XLPO Ins, PVC Jkt, 600V PV 90C Dry/Wet

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Product Description

UL Type PV Wire, 14AWG (41x30) Tinned Copper, XLPO Insulation, PVC Outer Jacket, 600V PV 90C Dry/Wet USE-2 RHW-2 SUN RES

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC. |
|------------------------|---|

Construction Details

Conductor

| Size | Stranding | Material |
|------|-----------|--------------------|
| 14 | 41x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness |
|-----------------------------|-------------------|
| XLP, XLPO, XLPE (Thermoset) | 0.048 in (1.2 mm) |
| XLP, XLPO, XLPE (Thermoset) | |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.243 in (6.17 mm) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|-----------------------------|--------------------------------------|
| 2.4 Ohm/1000ft (7.9 Ohm/km) | 35 Amps Single Conductor in Free Air |

Voltage

| UL Voltage Rating |
|-------------------|
| 600 V |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 90°C Wet/Dry | -40°C To +90°C |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 53.5 lbs (24.3 kg) |
| Bulk Cable Weight: | 36 lbs/1000ft (54 kg/km) |

Standards and Compliance

| | |
|----------------------------------|---------------------|
| Environmental Suitability: | Sunlight Resistance |
| Flammability / Reaction to Fire: | VW-1 |
| NEC / UL Compliance: | PV, RHW-2, USE-2 |
| AWM Compliance: | N/A |

| | |
|--------------------------------|---|
| Military Compliance: | N/A |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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|--------|------------------------------------|
| Notes: | Separator material over conductor. |
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History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.604 Revision Date: 01-15-2026 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 38214 0101000 | Black | Reel | 1,000 ft | 612825147657 | |
| 38214 0105000 | Black | Reel | 5,000 ft | 612825147664 | C |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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