



**Product:** [38216](#) 

UL Type PV Wire, #16 Str TC, XLPO Ins, PVC Jkt, 600V PV 90C Dry/Wet

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## Product Description

UL Type PV Wire, 16AWG (26x30) 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           |
|------|-----------|--------------------|
| 16   | 26x30     | 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) | 0.227 in      |

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR         | Max. Current                         |
|----------------------------|--------------------------------------|
| 3.7 Ohm/1000ft (12 Ohm/km) | 24 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: | 34 lbs (15 kg)           |
| Bulk Cable Weight: | 29 lbs/1000ft (43 kg/km) |

### Standards and Compliance

|                                  |                     |
|----------------------------------|---------------------|
| Environmental Suitability:       | Sunlight Resistance |
| Flammability / Reaction to Fire: | VW-1                |
| NEC / UL Compliance:             | PV                  |
| 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

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.439 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 38216 0105000 | Black | Reel       | 5,000 ft | 612825147688 | C        |

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

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