



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

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

[Request Sample](#)

### 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. |
|------------------------|---|

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 16  | 26x30     | TC - Tinned Copper | 1                 |

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

##### Insulation

| Material                    | Nominal Wall Thickness |
|-----------------------------|------------------------|
| XLP, XLPO, XLPE (Thermoset) | 0.048 in               |
| XLP, XLPO, XLPE (Thermoset) |                        |

##### Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.227 in         | 0.033 in               |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 3.7 Ohm/1000ft        |

##### Current

| Element                                    | Max. Recommended Current [A]         |
|--|--------------------------------------|
| Single Conductor in Free Air @ 30C Ambient | 24 Amps Single Conductor in Free Air |

##### Voltage

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

#### Temperature Range

|                              |                |
|------------------------------|----------------|
| UL Temp Rating:              | 90°C Wet/Dry   |
| Operating Temperature Range: | -40°C To +90°C |

#### Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 29 lbs/1000ft |
| Max. Pull Tension:           | 34 lbs        |
| Min. Bend Radius/Minor Axis: | 2.375 in      |

## Standards

|                          |     |
|--------------------------|-----|
| NEC/(UL) Compliance:     | PV  |
| UL AWM Style Compliance: | N/A |
| Military Compliance:     | N/A |

## Applicable Environmental and Other Programs

|  |                               |
|--|-------------------------------|
| EU Directive 2000/53/EC (ELV):               | Yes                           |
| EU Directive 2003/96/EC (BFR):               | Yes                           |
| EU Directive 2011/65/EU (RoHS 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| MII Order #39 (China RoHS):                  | Yes                           |

## Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Sunlight Resistance: | Yes |
|------------------------------------|-----|

## Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| UL voltage rating: | 600 V RMS |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Related Part Numbers

### Variants

| Item #        | Color | Put-Up Type | Length   | UPC          |
|---------------|-------|-------------|----------|--------------|
| 38216 0105000 | Black | Reel        | 5,000 ft | 612825147688 |

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

## Product Notes

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.371 Revision Date: 05-05-2023 |
|----------------------|--|

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