



Product: [38116](#)

UL Type PV Wire, #16 Str TC, XLPO Ins, 2000V PV 90C Dry/Wet

 [Request Sample](#)

Product Description

UL Type PV Wire, 16AWG (26x30) Tinned Copper, XLPO Insulation, 2000V PV 90C Dry/Wet 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.
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Physical Characteristics (Overall)

Conductor

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

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.221 in	0.078 in
XLP, XLPO, XLPE (Thermoset)		

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
3.7 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30 ambient	24.0 A

Voltage

UL Voltage Rating
2000 V

Temperature Range

UL Temp Rating:	90°C
Operating Temp Range:	-40°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	27 lbs/1000ft
Max Recommended Pulling Tension:	34 lbs
Min Bend Radius/Minor Axis:	2.25 in

Standards

UL AWM Style:	PV
Military Specification:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2009-09-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	2000 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length	Footnote
38116 0105000	Black	612825147596	5,000 ft	C

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.253 Revision Date: 04-02-2020
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