



# **Product Description**

UL Type PV Wire, 18AWG (16x30) Tinned Copper, XLPO Insulation, 600V PV 90C Dry/Wet SUN RES

# **Technical Specifications**

## Product Overview

Suitable Applications:				Ir	nterconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NE
Physi	cal Char	acteristics	s (Ove	rall)	
Conduc	tor				
AWG	Stranding	Materia	al	No. of Cor	nductors
18	16x30	TC - Tinned	Copper	1	
Condu	ctor Count:			1	
nsulati	on				
	Materia	ıl	Nomina	al Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset) 0.179 in		ı	0.063 in		
Tabla	Notes:			P	aper Tape Separator

#### Conductor DCR

Nominal Conductor DCR 6 Ohm/1000ft

#### Current

Element	Max. Recommended Current [A]
Single Conductor in Free Aair @ 30C Ambient	18 Amps Single Conductor in Free Air

### Voltage

UL Voltage Rating

## **Temperature Range**

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

## **Mechanical Characteristics**

Bulk Cable Weight:	17 lbs/1000ft			
Max. Pull Tension:	21 lbs			
Min. Bend Radius/Minor Axis:	1.875 in			
Standards				
UL AWM Style Compliance:	PV			

N/A

Yes

### 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)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Sunlight Resistance:
Suitability - Sunlight Resistance:

### Flammability, LS0H, 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
38018 0105000	Black	Reel	5,000 ft	612825147527

### History

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