



**Part Number: 38114**

UL Type PV Wire, (1) 14 AWG (41x30) TC, XLPE, 2000V, 90°C

[Request Sample](#)

### Product Description

One 14 AWG stranded (41x30) tinned copper conductors, cross-linked polyethylene insulation.

### 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
14	41x30	TC - Tinned Copper	1

Conductor Count:	1
Conductor Size:	14 AWG

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.237 in	0.078 in
XLPE - Cross Linked Polyethylene		

##### Outer Jacket Material

Material
No Jacket

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
2.4 Ohm/1000ft

Shielding:	Unshielded
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##### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30 ambient	35.0 A

##### Voltage

Non-UL Voltage Rating	UL Description	UL Voltage Rating
600 V	PV, RHW-2	2000 V
	USE-2	600 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	34 lbs/1000ft
Max Recommended Pulling Tension:	53.5 lbs

Min Bend Radius/Minor Axis:	2.375 in
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## Standards

UL AWM Style:	PV, USE-2, RHW-2
CSA Rating:	1000V, 90C
CSA AWM Specification:	RW90
CSA Type:	RW90
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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Sunlight Resistance:	Yes
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	2000 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color
38114 0105000	Black

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