

**Part Number:** 38314

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



## Product Description

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

## Product Specifications

## Technical Specifications

<b>Suitable Applications:</b>	Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC.
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## Construction and Dimensions

### Conductor:

AWG	Stranding	Material	No. of Conductors
14	41x30	TC - Tinned Copper	1
<b>Total Number of Conductors:</b>			1

### Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.063 in
XLPE - Cross Linked Polyethylene	

### Stranding:

Lay Length
PV, USE-2, RHW -2 mm

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.273 in	0.033 mm

## Electrical Characteristics

## Conductor DCR:

Nominal Conductor DCR
2.4 Ohm/1000ft

## Current:

Element	Max. Recommended Current [A]
Single conductor in free air @ 30 ambient	35 amps

## Voltage:

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

## Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	53.5 lbs

## Safety

UL Flammability:	VW-1
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## Temperature Range

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

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
UL Rating:	UL Rating
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## Product Variants

Part Number	Color	Put-Up Type	Length
38314 0105000	BLACK	Reel	5000 ft

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