



Part Number: 38014

UL Type PV Wire, #14 Str TC, XLPO Ins, 600V PV 90C Dry/Wet

Request Sample

Product Description

UL Type PV Wire, 14AWG (41x30) Tinned Copper, XLPO Insulation, 600V 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.

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	0.207 in	0.063 in
Paper tape		

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.4 Ohm/1000ft

Current

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

Voltage

Description	UL Voltage Rating	Voltage Rating [V]
CSA	600 V	1000 V

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	53.5 lbs

Min Bend Radius/Minor Axis:	2.25 in
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Standards

UL AWM Style:	PV, USA-2, RHW-2
CSA Rating:	1000V, 90C
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, LS0H, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length	Footnote
38014 0105000	Black	612825147503	5,000 ft	C
Footnote:			C - CRATE REEL PUT-UP.	

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