

Product Description

UL Type PV Wire, 14AWG (41x30) Tinned Copper, XLPO Insulation, 600V PV 90C Dry/Wet SUN RES

Technical Specifications

Product Overview

Suitabl	le Application	IS:		Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 N
Physi	cal Chara	acteristics	s (Overall)	
Conduc	tor			
AWG	Stranding	Materia	al No. of	Conductors
14	41x30	TC - Tinned	Copper 1	
Condu	ctor Count:			1
Insulati	on			
	Material		Nominal Diam	eter Nominal Wall Thickness
XLP, X	(LPO, XLPE ((Thermoset)	0.207 in	0.063 in
Table N	Notes:			Paper Tape Separator
		acteristic	s	Paper Tape Separator

Conductor DCR

Nom	inal Conduc	tor DCR
2.4 O	0hm/1000ft	

Current

Element	Max. Recommended Current [A]
Single Conductor in Free Aair @ 30C Ambient	35 Amps Single Conductor in Free Air

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	53.5 lbs
Min. Bend Radius/Minor Axis:	2.25 in

Standards

UL AWM Style Compliance:

PV, USA-2, RHW-2

CSA Rating:	1000V, 90C
CSA Type:	RW90
Military Compliance:	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 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:

Flammability, LS0H, Toxicity Testing

Yes

No

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

Plenum/Non-Plenum

Plenum (V/NI)	

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
38014 0105000	Black	Reel	5,000 ft	612825147503
Footnote:				C - CRATE RE
listory				
Update and Rev	ision:			Revision Num

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