



## Product: [38110](#)

UL Type PV Wire, #10 Str TC, XLPO Ins, 2000V PV 90C Dry/Wet

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### Product Description

UL Type PV Wire, 10AWG (105x30) Tinned Copper, XLPO Insulation, 2000V PV 90C Dry/Wet USE-2 RHW-2 CSA RW90 1000V 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.
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
10	105x34	TC - Tinned Copper	1

Conductor Count: 1

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.282 in	0.078 in
XLP, XLPO, XLPE (Thermoset)		

##### Outer Jacket Material

Material
No Jacket

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
0.91 Ohm/1000ft

##### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30 ambient	55 amps

##### Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
CSA	PV, RHW-2	2000 V	CSA - 1000 V
	USE-2	600 V RMS	

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	60 lbs/1000ft
Max Recommended Pulling Tension:	136.5 lbs

Min Bend Radius/Minor Axis:	2.75 in
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## Standards

NEC/(UL) Specification:	PV, RHW-2, USE-2
UL AWM Style:	N/A
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 RoHS Compliance Date (yyyy-mm-dd):	2009-09-01
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:	2000 V RMS

## Plenum/Non-Plenum

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

### Variants

Item #	Color	UPC	Length	Footnote
38110 0105000	Black	612825147565	5,000 ft	C

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.276 Revision Date: 04-02-2020
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