



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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Construction Details

Conductor

Size	Stranding	Material
10	105x34	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
XLP, XLPO, XLPE (Thermoset)	0.078 in (2.0 mm)	0.282 in (7.16 mm)
XLP, XLPO, XLPE (Thermoset)		

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.91 Ohm/1000ft (3.0 Ohm/km)	55 Amps Single Conductor in Free Air

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Wet/Dry	-40°C To +90°C

Max. Pull Tension:	136.5 lbs (61.92 kg)
Bulk Cable Weight:	60 lbs/1000ft (89 kg/km)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance
Flammability / Reaction to Fire:	VW-1
NEC / UL Compliance:	PV, RHW-2, USE-2
AWM Compliance:	N/A
CEC / C(UL) Compliance:	RW90
Military Compliance:	N/a
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision: Revision Number: 0.524 Revision Date: 09-07-2025

Part Numbers

Variants

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

Footnote: C - CRATE REEL PUT-UP.

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