


**Product: [38012](#)**

UL Type PV Wire, #12 Str TC, XLPO Ins, 600V PV 90C Dry/Wet

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**Product Description**

UL Type PV Wire, 12AWG (65x30) Tinned Copper, XLPO Insulation, 600V 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
12	65x30	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter
XLP, XLPO, XLPE (Thermoset)	0.063 in (1.6 mm)	0.219 in (5.56 mm)

Insulation Table Notes: Paper Tape Separator

**Electrical Characteristics**
**Electricals**

Nom. Conductor DCR	Max. Current
1.5 Ohm/1000ft (4.9 Ohm/km)	40 Amps Single Conductor in Free Air

**Voltage**

UL Voltage Rating
600 V

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
90°C	-40°C To +90°C

  

Max. Pull Tension:	84.5 lbs (38.3 kg)
Bulk Cable Weight:	36 lbs/1000ft (54 kg/km)

**Standards and Compliance**

Environmental Suitability:	Sunlight Resistance
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	PV, USAE-2, RHW-2
Military Compliance:	N/A
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

**History**

Update and Revision: Revision Number: 0.530 Revision Date: 09-07-2025

## Part Numbers

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### Variants

Item #	Color	Putup Type	Length	UPC
38012 0105000	Black	Reel	5,000 ft	612825147497

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