



Product: [38008](#) 

UL Type PV Wire, #8 Str TC, XLPO Ins, 600V PV 90C Dry/Wet

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Product Description

UL Type PV Wire, 8AWG (133(7x19)x29) Tinned Copper, XLPO Insulation, 600V PV 90C Dry/Wet USE-2 RHW-2 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
8	133x29	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
XLP, XLPO, XLPE (Thermoset)	0.078 in (2.0 mm)	0.328 in (8.33 mm)
XLP, XLPO, XLPE (Thermoset)		

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.61 Ohm/1000ft (2.0 Ohm/km)	80 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:	213 lbs (96.6 kg)
Bulk Cable Weight:	86 lbs/1000ft (130 kg/km)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	PV, USE-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: 0.561 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
38008 0105000	Black	Reel	5,000 ft	612825147480	C

Footnote:	C - CRATE REEL PUT-UP.
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