



Product: [PV0630](#) 

HOOK-UP WIRE, 1C #6, Str, XLPE, 2000 V, VW-1, SUN RES, -40C, PV WIRE 90C

Product Description

HOOK-UP WIRE, 1 Conductor 6 AWG (266(7x38)/30) TC - Tinned Copper, XLPE Insulation, Black PVC Outer Jacket, VW-1, SUN RES, -40C, PV WIRE 90C UL VW-1

Technical Specifications

Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Insulated Wire	1	6 AWG	266x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter
Insulated Wire	XLPE	0.078 in (2.0 mm)	0.369 in (9.37 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.433 in (11.0 mm)

Overall Cable Diameter (Nominal):	0.433 in (11.0 mm)
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Electrical Characteristics

Electricals

Element	Nom. Inductance	Max. Current
Insulated Wire	0.04 μ H/ft (0.13 μ H/m)	105.0 A

Voltage

UL Voltage Rating
2000 V (PV)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.
4.3 in (110 mm)

Max. Pull Tension:	209 lbs (94.8 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL VW-1
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire -* P/N PV0630 1 6 AWG 6 AWG (UL) PV WIRE 90C WET/DRY 2000V SUN RES -40C VW-1 ROHS
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History

Update and Revision:	Revision Number: 0.13 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #
PV0630 BK001

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