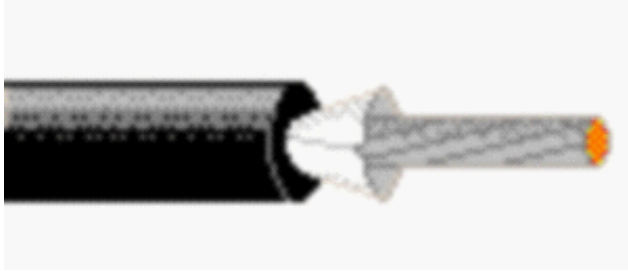


Part Number: 38012

UL Type PV Wire, (1) 12 AWG (65x30) TC, XLPE, 600V, 90°C



Product Description

One 12 AWG stranded (65x30) tinned copper conductors, cross-linked polyethylene insulation.

Product Specifications

Technical Specifications

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 and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
12	65x30	TC - Tinned Copper	1

Total Number of Conductors:	1
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Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.063 in
Paper tape	

Stranding:

Lay Length
PV, USE-2, RHW -2 mm

Outerjacket 1:

Nominal Diameter
0.219 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.5 Ohm/1000ft

Current:

Element	Max. Recommended Current [A]
Single conductor in free air @ 30 ambient	40 amps

Voltage:

Description	UL Voltage Rating	Voltage Rating [V]
CSA	600 V RMS	1000 V RMS

Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	84.5 lbs

Safety

CSA Flammability:	FT1
UL Flammability:	VW-1

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA Rating:	CSA Rating
CSA Type:	CSA Type
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
UL Rating:	UL Rating

History

Product Variants

Part Number	Color	Put-Up Type	Length
38012 0105000	BLACK	Reel	5000 ft

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