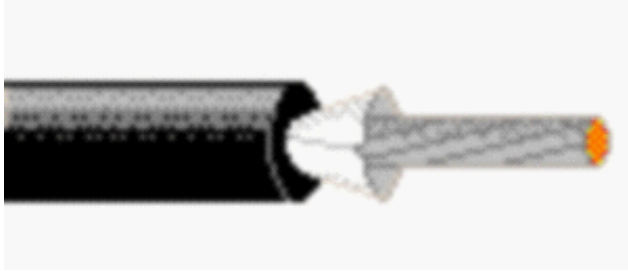


Part Number: 38110

UL Type PV Wire, (1) 10 AWG (105x30) TC, XLPE, 2000V, 90°C



Product Description

One 10 AWG stranded (105x30) 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
10	105x30	TC - Tinned Copper	1

Total Number of Conductors:	1
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Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.078 in
XLPE - Cross Linked Polyethylene	

Stranding:

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

Outerjacket 1:

Nominal Diameter
0.282 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

0.91 Ohm/1000ft

Current:

Element

Max. Recommended Current [A]

Single conductor in free air @ 30 ambient

55 amps

Voltage:

Description

UL Description

UL Voltage Rating

Voltage Rating [V]

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
CSA	PV, RHW -2	2000V RMS	1000 V RMS
	USE-2	600V RMS	

Use

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

136.5 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:

2.75 in

Part Number

Plenum (Y/N):

No

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
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Product Variants

Part Number	Color	Put-Up Type	Length
38110 0081000	GRAY	Reel	1000 ft
38110 0105000	BLACK	Reel	5000 ft

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