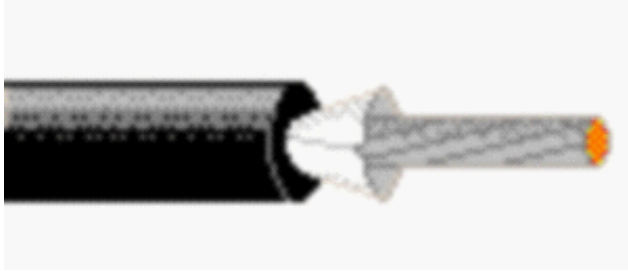


Part Number: 38008

UL Type PV Wire, (1) 8 AWG (133x29) TC, XLPE, 600V, 90°C



Product Description

One 8 AWG stranded (133x29) 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
8	133x29	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
0.328 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

0.61 Ohm/1000ft

Current:

Element

Max. Recommended Current [A]

Single conductor in free air @ 30 ambient

80 amps

Voltage:

UL Voltage Rating

600 V RMs

Use

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

213 lbs

Safety

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:

3.25 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

CA Prop 65 (CJ for Wire & Cable)

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
38008 0105000	BLACK	Reel	5000 ft

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