

38310 Hook-up/Lead - UL Type PV Wire

For more Information
please call

1-800-Belden1



Description:

10 AWG stranded (105x30) tinned copper conductors, XLPE insulation, non-integrally PVC jacketed, sunlight resistant, photovoltaic wire.

Usage (Overall)

Suitable Applications: Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	10	105x30	TC - Tinned Copper

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	0.063

Separator

Separator Material over Conductor: Y

Jacket

Jacket Material: PVC - Polyvinyl Chloride

Jacket Thickness: .033

Overall Cable

Overall Nominal Diameter: 0.312 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

UL Temperature Rating: 90°C Wet/Dry

Bulk Cable Weight: 69 lbs/1000 ft.

Max. Recommended Pulling Tension: 136.500 lbs.

Min. Bend Radius/Minor Axis: 3.125 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: 2000V, 90C

UL Type: PV, USE-2, RHW-2

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 09/01/2009

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	VW-1
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Suitability

Sunlight Resistance:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
0.910

Max. Operating Voltage - UL:

Voltage
2000 V RMS

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30 ambient	55 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38310 0105000	5,000 FT	385.000 LB	BLACK		#10 XLPE PVC

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