

## 38110 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, 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	0.078

#### Separator

**Separator Material over Conductor:** Y

#### Overall Cable

**Overall Nominal Diameter:** 0.282 in.

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 90°C Wet/Dry

**Bulk Cable Weight:** 60 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 136.500 lbs.

**Min. Bend Radius/Minor Axis:** 2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>UL Rating:</b>	2000V, 90C
<b>UL Type:</b>	PV, USE-2, RHW-2
<b>CSA Rating:</b>	1000V, 90C
<b>CSA Type:</b>	RW90
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	09/01/2009
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

### Suitability

Sunlight Resistance: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
0.910

### Max. Operating Voltage - UL:

Voltage	Description
2000V RMS	PV, RHW-2
600V RMS	USE-2

### Max. Operating Voltage - Other:

Voltage	Description
1000V RMS	CSA

### 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
38110 0101000	1,000 FT	63.000 LB	BLACK		#10 STR XLPE BLK
38110 0105000	5,000 FT	315.000 LB	BLACK	C	#10 STR XLPE BLK

### Notes:

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

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