

## 38010 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	0.063

**Separator****Separator Material over Conductor:**

Paper tape

**Overall Cable****Overall Nominal Diameter:**

0.252 in.

**Mechanical Characteristics (Overall)**

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

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

**Bulk Cable Weight:** 54 lbs/1000 ft.

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

**Min. Bend Radius/Minor Axis:** 2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**UL Rating:** 600V, 90C

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

**CSA Rating:** 1000V, 90C

**CSA Type:** RW90

**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

## 38010 Hook-up/Lead - UL Type PV Wire

CA Prop 65 (CJ for Wire &amp; 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

600 V RMS

**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
38010 0101000	1,000 FT	55.000 LB	BLACK		#10 STR XLPE BLK
38010 0105000	5,000 FT	275.000 LB	BLACK		#10 STR XLPE BLK

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