

## 38212 Hook-up/Lead - UL Type PV Wire



For more Information  
please call

1-800-Belden1

**Description:**

12 AWG stranded (65x30) 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	12	65x30	TC - Tinned Copper

**Total Number of Conductors:**

1

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	0.048

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

Y

**Jacket****Jacket Material:**

PVC - Polyvinyl Chloride

**Jacket Thickness:**

.033

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

0.255 in.

**Mechanical Characteristics (Overall)****Operating Temperature Range:**

-40°C To +90°C

**UL Temperature Rating:**

90°C Wet/Dry

**Bulk Cable Weight:**

44 lbs/1000 ft.

**Max. Recommended Pulling Tension:**

84.500 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

**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

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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**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)
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1.500
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**Max. Operating Voltage - UL:**

Voltage
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600 V RMS
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**Max. Recommended Current:**

Description	Current
Single conductor in free air @ 30 ambient	40 amps

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38212 0101000	1,000 FT	48.000 LB	BLACK	C	#12 XLPE PVC
38212 0105000	5,000 FT	235.000 LB	BLACK	C	#12 XLPE PVC

**Notes:**

C = CRATE REEL PUT-UP.

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