

38214 Hook-up/Lead - UL Type PV Wire



For more Information
please call

1-800-Belden1

**General Description:**

14 AWG stranded (41x30) 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	14	41x30	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:

0.243 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:

-40°C To +90°C

UL Temperature Rating:

90°C Wet/Dry

Bulk Cable Weight:

36 lbs/1000 ft.

Max. Recommended Pulling Tension:

53.500 lbs.

Min. Bend Radius/Minor Axis:

2.438 in.

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

UL Rating:

600V, 90C

UL Type:

PV, USE-2, RHW-2

EU Directive 2011/65/EU (ROHS II):

Yes

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

MIL Order #39 (China RoHS):

Yes

Flame Test

UL Flame Test:

VW-1

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Suitability

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)**Nom. Conductor DC Resistance:****DCR @ 20°C (Ohm/1000 ft)**

2.400

Max. Operating Voltage - UL:**Voltage**

600 V RMS

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30 ambient	35 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38214 0105000	5,000 FT	185.000 LB	BLACK	C	#14 XLPE PVC

Notes:

C = CRATE REEL PUT-UP.

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