

38214 Hook-up/Lead - UL Type PV Wire



For more Information
please call

1-800-Belden1

**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 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

38214 Hook-up/Lead - UL Type PV Wire

| | |
|--------------------------------|-----|
| 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 |
|----------------|------|

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 0101000 | 1,000 FT | 38.000 LB | BLACK | C | #14 XLPE PVC |
| 38214 0105000 | 5,000 FT | 185.000 LB | BLACK | C | #14 XLPE PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-24-2010

© 2012 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[38214 0101000](#) [38214 0105000](#)