

## 38216 Hook-up/Lead - UL Type PV Wire



For more Information  
please call

1-800-Belden1

**Description:**

16 AWG stranded (26x30) 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            | 16  | 26x30     | 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:**

0.227 in.

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

-40°C To +90°C

**UL Temperature Rating:**

90°C Wet/Dry

**Bulk Cable Weight:**

29 lbs/1000 ft.

**Max. Recommended Pulling Tension:**

34 lbs.

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

2.375 in.

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

600V, 90C

**UL Type:**

PV

**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 |
|--------------------------------|-----|

|                                   |     |
|-----------------------------------|-----|
| 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) |
|--------------------------|

|       |
|-------|
| 3.700 |
|-------|

**Max. Operating Voltage - UL:**

|         |
|---------|
| Voltage |
|---------|

|           |
|-----------|
| 600 V RMS |
|-----------|

**Max. Recommended Current:**

| Description                               | Current |
|-------------------------------------------|---------|
| Single conductor in free air @ 30 ambient | 24 amps |

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc    |
|---------------|----------|-------------|-------|-------|--------------|
| 38216 0101000 | 1,000 FT | 31.000 LB   | BLACK | C     | #16 XLPE PVC |
| 38216 0105000 | 5,000 FT | 155.000 LB  | BLACK | C     | #16 XLPE PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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