

38218 Hook-up/Lead - UL Type PV Wire



For more Information
please call

1-800-Belden1

**Description:**

18 AWG stranded (16x30) 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	18	16x30	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:**

0.215 in.

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

-40°C To +90°C

UL Temperature Rating:

90°C Wet/Dry

Bulk Cable Weight:

24 lbs/1000 ft.

Max. Recommended Pulling Tension:

21 lbs.

Min. Bend Radius/Minor Axis:

2.125 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

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)

6.000

Max. Operating Voltage - UL:

Voltage

600 V RMS

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30 ambient	18 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38218 0101000	1,000 FT	26.000 LB	BLACK	C	#18 XLPE PVC
38218 0105000	5,000 FT	125.000 LB	BLACK	C	#18 XLPE PVC

Notes:

C = CRATE REEL PUT-UP.

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