

METRIC MEASUREMENT VERSION

38210 Hook-up/Lead - UL Type PV Wire

For more Information
please call

1-800-Belden1



Description:

10 AWG stranded (105x30) 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	10	105x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	1.219

Separator

Separator Material over Conductor: Y

Jacket

Jacket Material: PVC - Polyvinyl Chloride

Jacket Thickness: .033

Overall Cabling

Overall Nominal Diameter: 7.315 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

UL Temperature Rating: 90°C Wet/Dry

Bulk Cable Weight: 93.757 Kg/Km

Max. Recommended Pulling Tension: 607.179 N

Min. Bend Radius (Install)/Minor Axis: 73.025 mm

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

EU Directive 2003/11/EC (BFR): Yes

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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/km)
2.986

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30 ambient	55 amps

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
38210 0101000	305 MT	30.391 KG	BLACK	C	#10 XLPE PVC
38210 0105000	1,524 MT	149.686 KG	BLACK	C	#10 XLPE PVC

Notes:

C = CRATE REEL PUT-UP.

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