

Part Number: 38308

UL Type PV Wire, (1) 18 AWG (16x30) TC, XLPE/PVC, 600V, 90°C



Product Description

One 8 AWG stranded (133x29) tinned copper conductors, cross-linked polyethylene insulation, PVC jacket.

Product Specifications

Technical Specifications

Suitable Applications:	Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC.
-------------------------------	---

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
8	133x29	TC - Tinned Copper	1
Total Number of Conductors:			1

Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.073 in
XLPE - Cross Linked Polyethylene	

Stranding:

Lay Length
PV, USE-2, RHW -2 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.384 in	0.033 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

0.61 Ohm/1000ft

Current:

Element

Max. Recommended Current [A]

Single conductor in free air @ 30 ambient

80 amps

Voltage:

UL Description

UL Voltage Rating

PV, RHW-2

2000 V RMS

USE-2

600 V RMS

Use

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

213 lbs

Safety

UL Flammability:

VW-1

Temperature Range

Operating Temp Range:

-40°C To +90°C

UL Temp Rating:

90°C Wet/Dry

Mechanical Characteristics

Min Bend Radius/Minor Axis:

3.875 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

CA Prop 65 (CJ for Wire & Cable)

MII Order #39 (China RoHS):

MII Order #39 (China RoHS)

UL Rating:

UL Rating

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

Product Variants

Part Number	Color	Put-Up Type	Length
38308 0105000	BLACK	Reel	5000 ft

© 2016 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.