## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 38118 Hook-up/Lead - UL Type PV Wire

For more Information please call

1-800-Belden1



#### **General Description:**

18 AWG stranded (16x30) tinned copper conductors, XLPE insulation, sunlight resistant, photovoltaic wire.

Jsage (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.) Dia. (in.)			
XLPE - Cross Linked Polyethylene   0.078   0.209			
Separator			
Separator Material over Conductor:	Υ		
Overall Cable			
Overall Nominal Diameter:	0.209 in.		
Mechanical Characteristics (Overall)			
Operating Temperature Range:	-40°C To +90°C		
UL Temperature Rating:	90°C Wet/Dry		
Bulk Cable Weight:	22 lbs/1000 ft.		
Max. Recommended Pulling Tension:	21 lbs.		
Min. Bend Radius/Minor Axis:	2.125 in.		
	<u> </u>		
Applicable Specifications and Agency Compliance (O	verall)		
Applicable Standards & Environmental Programs  UL Rating:	2000V, 90C		
	PV		
UL Type:			
EU Directive 2011/65/EU (ROHS II):	Yes		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2010		
EU Directive 2002/96/EC (WEEE):	Yes		
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		

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## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 38118 Hook-up/Lead - UL Type PV Wire

#### **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 6.000

Max. Operating Voltage - UL:

Voltage 2000 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
38118 0105000	5,000 FT	115.000 LB	BLACK	С	#18 STR XLPE BLK

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 06-16-2011

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## **ПОСТАВКА** ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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## http://moschip.ru/get-element

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