

Part Number: 83029

Hook-Up/Lead Wire UL AWM Style 1180, (1) 18 AWG  
(19x30) SPC, TFE, 300V, 200°C

## Product Description

One 18 AWG stranded (19x30) silver plated copper conductor, TFE insulation.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
18	19x30	SPC - Silver Plated Copper	1

<b>Total Number of Conductors:</b>	1
------------------------------------	---

#### Insulation:

Material	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.015 in

#### Outerjacket 1:

Nominal Diameter
0.078 in

### Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR
5.75 Ohm/1000ft

#### Current:

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	9.2 A

## Voltage:

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Mil-W-16878/5	UL AWM 1180	300V RMS	1000 V RMS

## Use

---

## Safety

---

UL Flammability:	VW-1
------------------	------

## Temperature Range

---

Operating Temp Range:	-70°C To +200°C
-----------------------	-----------------

## Mechanical Characteristics

---

## 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)
MIL Spec Rating:	MIL Spec Rating
Military Specification:	Military Specification
UL Rating:	UL Rating
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

---

## Product Variants

Part Number	Color	Put-Up Type	Length
83029 0011000	BROWN	Reel	1000 ft
83029 001100	BROWN	Reel	100 ft
83029 0021000	RED	Reel	1000 ft
83029 002100	RED	Reel	100 ft
83029 002500	RED	Reel	500 ft
83029 0031000	ORANGE	Reel	1000 ft
83029 003100	ORANGE	Reel	100 ft
83029 0041000	YELLOW	Reel	1000 ft
83029 0051000	GREEN, DARK	Reel	1000 ft
83029 005100	GREEN, DARK	Reel	100 ft
83029 005500	GREEN, DARK	Reel	500 ft
83029 0061000	BLUE, LIGHT	Reel	1000 ft
83029 0071000	VIOLET	Reel	1000 ft
83029 007100	VIOLET	Reel	100 ft
83029 008100	GRAY	Reel	100 ft
83029 0091000	WHITE	Reel	1000 ft
83029 009500	WHITE	Reel	500 ft
83029 0101000	BLACK	Reel	1000 ft
83029 010100	BLACK	Reel	100 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.