

Part Number: 9918

UL AWM Styles 1007 and 1569



Product Description

18 AWG stranded (16x30) tinned copper conductor, PVC insulation. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and wiring of electronic and electrical equipment.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Pairs
18	16x30	TC - Tinned Copper	1	6
Total Number of Conductors:			1	

Insulation:

Material	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.017 in	0.015 in

Color Chart 1:

Number
6

Stranding:

Twists
6 twist/ft

Cabling 1:

Lay Length	Twists
6 in	6 twist/ft

Outerjacket 1:

Nominal Diameter
0.079 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
5.9 Ohm/km

Current:

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	20 amps

Use

Safety

CSA Flammability:	FT1
UL Flammability:	VW-1

Temperature Range

Mechanical Characteristics

Min Bend Radius/Minor Axis:	6 in
-----------------------------	------

Part Number

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CSA Rating:	300V RMS, 105°C
CSA Type:	TRSR-64
MII Order #39 (China RoHS):	Yes
UL AWM Style:	UL Style 1007 (300V 80°C)^UL Style 1569 (300V 105°C)
UL Rating:	300V RMS, 80°C and 300V, 105°C
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Product Variants

Part Number	Color	Put-Up Type	Length
9918 0011000	BROWN	Reel	1000 ft
9918 001100	BROWN	Reel	100 ft
9918 0015000	BROWN	Reel	5000 ft
9918 0021000	RED	Reel	1000 ft
9918 002100	RED	Reel	100 ft
9918 0025000	RED	Reel	5000 ft
9918 0031000	ORANGE	Reel	1000 ft
9918 003100	ORANGE	Reel	100 ft
9918 0041000	YELLOW	Reel	1000 ft
9918 004100	YELLOW	Reel	100 ft
9918 0051000	GREEN, DARK	Reel	1000 ft
9918 005100	GREEN, DARK	Reel	100 ft
9918 0055000	GREEN, DARK	Reel	5000 ft
9918 0061000	BLUE, LIGHT	Reel	1000 ft
9918 006100	BLUE, LIGHT	Reel	100 ft
9918 0071000	VIOLET	Reel	1000 ft
9918 007100	VIOLET	Reel	100 ft
9918 0081000	GRAY	Reel	1000 ft
9918 008100	GRAY	Reel	100 ft
9918 0091000	WHITE	Reel	1000 ft
9918 009100	WHITE	Reel	100 ft
9918 0095000	WHITE	Reel	5000 ft
9918 0101000	BLACK	Reel	1000 ft
9918 010100	BLACK	Reel	100 ft
9918 0105000	BLACK	Reel	5000 ft
9918 0131000	BLUE, DARK	Reel	1000 ft
9918 013100	BLUE, DARK	Reel	100 ft
9918 0135000	BLUE, DARK	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.