



Part Number: 9918

Hook- Up/ Lead Wire UL AWM Styles 1007 & 1569, (1) 18 AWG (16x30) TC, PVC, 300V RMS 80°C, 300V 105°C

Product Description

One 18 AWG stranded (16x30) tinned copper conductor, PVC insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.079 in	0.017 in	0.015 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.079 in

Construction and Dimensions

Stranding

Twists
6 twist/ft

Cabling

Lay Length	Twists
6 in	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.9 Ohm/1000ft

Shielding:	Unshielded
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Current

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

Voltage

UL Voltage Rating
300 V

Temperature Range

UL Temp Rating:	105°C
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Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
Min Bend Radius/Minor Axis:	6 in

Standards

UL Rating:	300V RMS, 80°C and 300V, 105°C
UL AWM Style:	UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C)
CSA Rating:	300V RMS, 105°C
CSA Type:	TRSR-64
Military Specification:	N/A

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	300 V

Part Number

Variants

Item #	Color	Footnote
9918 010100	Black	
9918 0101000	Black	P
9918 0105000	Black	C K Z
9918 013100	Blue, Dark	
9918 0131000	Blue, Dark	P
9918 0135000	Blue, Dark	C P
9918 006100	Blue, Light	
9918 0061000	Blue, Light	
9918 001100	Brown	
9918 0011000	Brown	P
9918 0015000	Brown	C P
9918 008100	Gray	
9918 0081000	Gray	P
9918 005100	Green, Dark	
9918 0051000	Green, Dark	P
9918 0055000	Green, Dark	C
9918 003100	Orange	
9918 0031000	Orange	P
9918 002100	Red	
9918 0021000	Red	P
9918 0025000	Red	C
9918 007100	Violet	
9918 0071000	Violet	P
9918 009100	White	

9918 0091000	White	P
9918 0095000	White	C
9918 004100	Yellow	
9918 0041000	Yellow	P

Footnote:	P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.
Footnote:	C - CRATE REEL PUT-UP.
Footnote:	K - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 500'.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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