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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Part Number:** 39118

Hook-Up/Lead Wire PPO, 600V, 105°C AWM Style 11032, (1) 18 AWG (16x30) TC, PPO, 600V, 105°C

 [Request Sample](#)

## Product Description

One 18 AWG stranded (16x30) tinned copper conductor, polyphenylene oxide (PPO) insulation.

## Technical Specifications

### Product Overview

Suitable Applications:	Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	1
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PPO - Polyphenylene Oxide	0.069 in	0.012 in

#### Outer Jacket Material

Material
No Jacket

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Shielding:	Unshielded
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#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	20.0 A

#### Voltage

UL Voltage Rating
600 V

### Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C Dry

### Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
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### Standards

UL AWM Style:	AWM 11028
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Military Specification:	N/A
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### 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):	2011-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Part Number

#### Variants

Item #	Color	Footnote
39118 010100	Black	C
39118 0101000	Black	C
39118 0105000	Black	C Z
39118 013100	Blue, Dark	C
39118 0131000	Blue, Dark	C
39118 0135000	Blue, Dark	C Z
39118 001100	Brown	C
39118 0011000	Brown	C
39118 0015000	Brown	C Z
39118 008100	Gray	C
39118 0081000	Gray	C
39118 0085000	Gray	C Z
39118 005100	Green, Dark	C
39118 0051000	Green, Dark	C
39118 0055000	Green, Dark	C Z
39118 189100	Green, Yellow Stripe	
39118 1891000	Green, Yellow Stripe	
39118 1895000	Green, Yellow Stripe	C Z
39118 003100	Orange	C
39118 0031000	Orange	C
39118 0035000	Orange	C Z
39118 002100	Red	C
39118 0021000	Red	C
39118 0025000	Red	C Z
39118 007100	Violet	C
39118 0071000	Violet	C
39118 0075000	Violet	C Z
39118 009100	White	C
39118 0091000	White	C
39118 0095000	White	C Z
39118 004100	Yellow	C
39118 0041000	Yellow	C
39118 0045000	Yellow	C Z

Footnote:	C - CRATE REEL PUT-UP.
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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