



**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

<b>Material</b>
No Jacket

### Electrical Characteristics

#### Conductor DCR

<b>Nominal Conductor DCR</b>
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

<b>UL Voltage Rating</b>
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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