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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:** 39112

Hook-Up/Lead Wire PPO, 600V, 105°C AWM Style 11032, (1) 12 AWG (65x30) TC, PPO, 600V, 105°C

[Request Sample](#)

## Product Description

One 12 AWG stranded (65x30) 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
12	65x30	TC - Tinned Copper	1

Conductor Count:	1
Conductor Size:	12 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PPO - Polyphenylene Oxide	0.111 in	0.012 in

#### Outer Jacket Material

<b>Material</b>
No Jacket

### Electrical Characteristics

#### Conductor DCR

<b>Nominal Conductor DCR</b>
1.5 Ohm/1000ft

Shielding:	Unshielded
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#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	51.0 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:	21.3 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
39112 010100	Black	C
39112 0101000	Black	C
39112 0105000	Black	C Z
39112 013100	Blue, Dark	C
39112 0131000	Blue, Dark	C
39112 0135000	Blue, Dark	C Z
39112 0011000	Brown	
39112 0015000	Brown	C Z
39112 008100	Gray	C
39112 0085000	Gray	C Z
39112 005100	Green, Dark	C
39112 0051000	Green, Dark	C
39112 0055000	Green, Dark	C Z
39112 189100	Green, Yellow Stripe	C
39112 1891000	Green, Yellow Stripe	C
39112 1895000	Green, Yellow Stripe	C Z
39112 003100	Orange	C
39112 0031000	Orange	C
39112 0035000	Orange	C Z
39112 002100	Red	C
39112 0021000	Red	C
39112 0025000	Red	C Z
39112 0075000	Violet	C Z
39112 009100	White	C
39112 0091000	White	C
39112 0095000	White	C Z
39112 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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