

## 39118 Hook-up/Lead - PPO Hook-up Wire 600V, 105°C AWM Style 11033

For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (16x30) tinned copper conductor, PPO insulation. Rated 105°C, 600V. Rated 2500V peak for electronic circuits, and internal wiring of electronic and electrical equipment

### Usage (Overall)

**Suitable Applications:** Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

**Total Number of Conductors:** 1

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PPO - Polyphenylene Oxide	0.012

#### Overall Insulation

#### Overall Cable

**Overall Nominal Diameter:** 0.069 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +105°C Dry

**Bulk Cable Weight:** 6 lbs/1000 ft.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**UL Rating:** 600 V, 105°C

**UL Type:** AWM 11028

**EU Directive 2011/65/EU (ROHS II):** Yes

**EU CE Mark:** Yes

**EU Directive 2000/53/EC (ELV):** Yes

**EU Directive 2002/95/EC (RoHS):** Yes

**EU RoHS Compliance Date (mm/dd/yyyy):** 04/01/2011

**EU Directive 2002/96/EC (WEEE):** Yes

**EU Directive 2003/11/EC (BFR):** Yes

**CA Prop 65 (CJ for Wire & Cable):** Yes

**MIL Order #39 (China RoHS):** Yes

#### Flame Test

**UL Flame Test:** VW-1

#### Plenum/Non-Plenum

**Plenum (Y/N):** No

### Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.500

Max. Operating Voltage - UL:

**Voltage**

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600 Vac

**Max. Recommended Current:**

Description	Current
Single conductor in free air @ 30C ambient	20 amps

**Notes (Overall)**

Notes: Halogen-free.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
39118 001100	100 FT	0.700 LB	BROWN	C	#18 STR PPO BRN
39118 0011000	1,000 FT	7.000 LB	BROWN	C	#18 STR PPO BRN
39118 0015000	5,000 FT	30.000 LB	BROWN	C Z	#18 STR PPO BRN
39118 002100	100 FT	0.700 LB	RED	C	#18 STR PPO RED
39118 0021000	1,000 FT	7.000 LB	RED	C	#18 STR PPO RED
39118 0025000	5,000 FT	30.000 LB	RED	C Z	#18 STR PPO RED
39118 003100	1,000 FT	7.000 LB	ORANGE	C	#18 STR PPO ORG
39118 0031000	1,000 FT	7.000 LB	ORANGE	C	#18 STR PPO ORG
39118 0035000	5,000 FT	30.000 LB	ORANGE	C Z	#18 STR PPO ORG
39118 004100	100 FT	0.700 LB	YELLOW	C	#18 STR PPO YEL
39118 0041000	1,000 FT	7.000 LB	YELLOW	C	#18 STR PPO YEL
39118 0045000	5,000 FT	30.000 LB	YELLOW	C Z	#18 STR PPO YEL
39118 005100	100 FT	0.700 LB	GREEN, DARK	C	#18 STR PPO DGRN
39118 0051000	1,000 FT	7.000 LB	GREEN, DARK	C	#18 STR PPO DGRN
39118 0055000	5,000 FT	30.000 LB	GREEN, DARK	C Z	#18 STR PPO DGRN
39118 007100	100 FT	0.700 LB	VIOLET	C	#18 STR PPO VIO
39118 0071000	1,000 FT	7.000 LB	VIOLET	C	#18 STR PPO VIO
39118 0075000	5,000 FT	30.000 LB	VIOLET	C Z	#18 STR PPO VIO
39118 008100	100 FT	0.700 LB	GRAY	C	#18 STR PPO GRY
39118 0081000	1,000 FT	7.000 LB	GRAY	C	#18 STR PPO GRY
39118 0085000	5,000 FT	30.000 LB	GRAY	C Z	#18 STR PPO GRY
39118 009100	100 FT	0.700 LB	WHITE	C	#18 STR PPO WHT
39118 0091000	1,000 FT	7.000 LB	WHITE	C	#18 STR PPO WHT
39118 0095000	5,000 FT	30.000 LB	WHITE	C Z	#18 STR PPO WHT
39118 010100	100 FT	0.700 LB	BLACK	C	#18 STR PPO BLK
39118 0101000	1,000 FT	7.000 LB	BLACK	C	#18 STR PPO BLK
39118 0105000	5,000 FT	30.000 LB	BLACK	C Z	#18 STR PPO BLK
39118 013100	100 FT	0.700 LB	BLUE, DARK	C	#18 STR PPO DBLU
39118 0131000	1,000 FT	7.000 LB	BLUE, DARK	C	#18 STR PPO DBLU
39118 0135000	5,000 FT	30.000 LB	BLUE, DARK	C Z	#18 STR PPO DBLU
39118 189100	100 FT	0.700 LB	GREEN/YELLOW		#18 STR PPO GRN/YEL
39118 1891000	1,000 FT	7.000 LB	GREEN/YELLOW		#18 STR PPO GRN/YEL
39118 1895000	5,000 FT	30.000 LB	GREEN/YELLOW	C Z	#18 STR PPO GRN/YEL

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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