

## 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 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**MII Order #39 (China RoHS):** Yes**Flame Test****UL Flame Test:**

VW-1

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## 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

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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### Test Reports

**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

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