

## 39124 Hook-up/Lead - PPO Hook-up Wire 600V, 105°C AWM Style 11028

For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) 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            | 24  | 7x32      | TC - Tinned Copper |

**Total Number of Conductors:** 1

#### Insulation

Insulation Material:

| Insulation Material       | Wall Thickness (mm) |
|---------------------------|---------------------|
| PPO - Polyphenylene Oxide | 0.305               |

#### Overall Insulation

#### Overall Cable

**Overall Nominal Diameter:** 1.219 mm

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 2.976 Kg/Km

### 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/km) |
|---------------------|
| 77.924              |

Max. Operating Voltage - UL:

| Voltage |
|---------|
|         |

## METRIC MEASUREMENT VERSION

### 39124 Hook-up/Lead - PPO Hook-up Wire 600V, 105°C AWM Style 11028

600 Vac

**Max. Recommended Current:**

| Description                                | Current  |
|--|----------|
| Single conductor in free air @ 30C ambient | 8.5 amps |

#### Notes (Overall)

Notes: Halogen-free.

#### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color       | Notes | Item Desc        |
|---------------|----------|-------------|-------------|-------|------------------|
| 39124 001100  | 100 FT   | 0.300 LB    | BROWN       | C     | #24 STR PPO BRN  |
| 39124 0011000 | 1,000 FT | 2.000 LB    | BROWN       | C     | #24 STR PPO BRN  |
| 39124 0015000 | 5,000 FT | 10.000 LB   | BROWN       | C Z   | #24 STR PPO BRN  |
| 39124 002100  | 100 FT   | 0.300 LB    | RED         | C     | #24 STR PPO RED  |
| 39124 0021000 | 1,000 FT | 2.000 LB    | RED         | C     | #24 STR PPO RED  |
| 39124 0025000 | 5,000 FT | 10.000 LB   | RED         | C Z   | #24 STR PPO RED  |
| 39124 003100  | 100 FT   | 0.300 LB    | ORANGE      | C     | #24 STR PPO ORG  |
| 39124 0031000 | 1,000 FT | 2.000 LB    | ORANGE      | C     | #24 STR PPO ORG  |
| 39124 0035000 | 5,000 FT | 10.000 LB   | ORANGE      | C Z   | #24 STR PPO ORG  |
| 39124 004100  | 100 FT   | 0.300 LB    | YELLOW      | C     | #24 STR PPO YEL  |
| 39124 0041000 | 1,000 FT | 2.000 LB    | YELLOW      | C     | #24 STR PPO YEL  |
| 39124 0045000 | 5,000 FT | 10.000 LB   | YELLOW      | C Z   | #24 STR PPO YEL  |
| 39124 005100  | 100 FT   | 0.300 LB    | GREEN, DARK | C     | #24 STR PPO DGRN |
| 39124 0051000 | 1,000 FT | 2.000 LB    | GREEN, DARK | C     | #24 STR PPO DGRN |
| 39124 0055000 | 5,000 FT | 10.000 LB   | GREEN, DARK | C Z   | #24 STR PPO DGRN |
| 39124 007100  | 100 FT   | 0.300 LB    | VIOLET      | C     | #24 STR PPO VIO  |
| 39124 0071000 | 1,000 FT | 2.000 LB    | VIOLET      | C     | #24 STR PPO VIO  |
| 39124 0075000 | 5,000 FT | 10.000 LB   | VIOLET      | C Z   | #24 STR PPO VIO  |
| 39124 008100  | 100 FT   | 0.300 LB    | GRAY        | C     | #24 STR PPO GRY  |
| 39124 0081000 | 1,000 FT | 2.000 LB    | GRAY        | C     | #24 STR PPO GRY  |
| 39124 0085000 | 5,000 FT | 10.000 LB   | GRAY        | C Z   | #24 STR PPO GRY  |
| 39124 009100  | 100 FT   | 0.300 LB    | WHITE       | C     | #24 STR PPO WHT  |
| 39124 0091000 | 1,000 FT | 2.000 LB    | WHITE       | C     | #24 STR PPO WHT  |
| 39124 0095000 | 5,000 FT | 10.000 LB   | WHITE       | C Z   | #24 STR PPO WHT  |
| 39124 010100  | 100 FT   | 0.300 LB    | BLACK       | C     | #24 STR PPO BLK  |
| 39124 0101000 | 1,000 FT | 2.000 LB    | BLACK       | C     | #24 STR PPO BLK  |
| 39124 0105000 | 5,000 FT | 10.000 LB   | BLACK       | C Z   | #24 STR PPO BLK  |
| 39124 013100  | 100 FT   | 0.300 LB    | BLUE, DARK  | C     | #24 STR PPO DBLU |
| 39124 0131000 | 1,000 FT | 2.000 LB    | BLUE, DARK  | C     | #24 STR PPO DBLU |
| 39124 0135000 | 5,000 FT | 10.000 LB   | BLUE, DARK  | C Z   | #24 STR PPO DBLU |

**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.

Revision Number: 0 Revision Date: 04-16-2014

© 2015 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.