

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

## 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

MII 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 |
|---------|
|---------|

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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

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