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1-800-Belden1



### General Description:

14 AWG stranded (41x30) tinned copper conductor, PVC insulation. Rated 105°C, 600V. Rated 2500V peak for electronic circuits, and internal wiring of electronic and electrical equipment.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 1            | 14  | 41x30     | TC - Tinned Copper |

Total Number of Conductors: 1

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (mm) | Min. Avg. Wall (mm) |
|--------------------------|---------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.826               | 0.762               |

#### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 3.505 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 28.276 Kg/Km

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |                  |
|---------------------------------------|------------------|
| UL Rating:                            | 600 V, 105°C     |
| UL Type:                              | MTW or TW        |
| CSA Rating:                           | 600 V, 105°C     |
| CSA Type:                             | AWM I A/B or TEW |
| 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): | 07/01/2005       |
| 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

CSA Flame Test: FT1

### Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 7.874               |

Max. Operating Voltage - UL:

| Voltage  |
|----------|
| 600 VRMS |

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 8916 Hook-up/Lead - UL AWM Style 1015

Max. Recommended Current:

| Description                                 | Current |
|---------------------------------------------|---------|
| Single conductor in free air @ 30C ambient. | 39 amps |

#### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color        | Notes | Item Desc          |
|--------------|----------|-------------|--------------|-------|--------------------|
| 8916 001100  | 100 FT   | 2.700 LB    | BROWN        |       | 14 STR PVC BRN     |
| 8916 0014000 | 4,000 FT | 80.000 LB   | BROWN        | C P   | 14 STR PVC BRN     |
| 8916 001500  | 500 FT   | 10.500 LB   | BROWN        |       | 14 STR PVC BRN     |
| 8916 002100  | 100 FT   | 2.700 LB    | RED          |       | 14 STR PVC RED     |
| 8916 0024000 | 4,000 FT | 80.000 LB   | RED          | C P   | 14 STR PVC RED     |
| 8916 002500  | 500 FT   | 10.500 LB   | RED          |       | 14 STR PVC RED     |
| 8916 003100  | 100 FT   | 2.700 LB    | ORANGE       |       | 14 STR PVC ORG     |
| 8916 003500  | 500 FT   | 10.500 LB   | ORANGE       |       | 14 STR PVC ORG     |
| 8916 004100  | 100 FT   | 2.700 LB    | YELLOW       |       | 14 STR PVC YEL     |
| 8916 004500  | 500 FT   | 10.500 LB   | YELLOW       |       | 14 STR PVC YEL     |
| 8916 005100  | 100 FT   | 2.700 LB    | GREEN, DARK  |       | 14 STR PVC D GRN   |
| 8916 0054000 | 4,000 FT | 80.000 LB   | GREEN, DARK  | C P   | 14 STR PVC DGRN    |
| 8916 005500  | 500 FT   | 10.500 LB   | GREEN, DARK  |       | 14 STR PVC D GRN   |
| 8916 007500  | 500 FT   | 10.500 LB   | VIOLET       | P     | 14 STR PVC VIO     |
| 8916 008500  | 500 FT   | 10.500 LB   | GRAY         | P     | #14 STR PVC GRY    |
| 8916 009100  | 100 FT   | 2.700 LB    | WHITE        |       | 14 STR PVC WHT     |
| 8916 009500  | 500 FT   | 10.500 LB   | WHITE        |       | 14 STR PVC WHT     |
| 8916 010100  | 100 FT   | 2.700 LB    | BLACK        |       | 14 STR PVC BLK     |
| 8916 0104000 | 4,000 FT | 80.000 LB   | BLACK        | C     | #14 STR PVC BLK    |
| 8916 010500  | 500 FT   | 10.500 LB   | BLACK        |       | 14 STR PVC BLK     |
| 8916 013100  | 100 FT   | 2.700 LB    | BLUE, DARK   |       | 14 STR PVC D BLU   |
| 8916 013500  | 500 FT   | 10.500 LB   | BLUE, DARK   |       | 14 STR PVC D BLU   |
| 8916 189100  | 100 FT   | 2.700 LB    | GREEN/YELLOW | A     | 14 STR PVC GRN/YEL |
| 8916 189500  | 500 FT   | 10.500 LB   | GREEN/YELLOW | A     | 14 STR PVC GRN/YEL |

#### Notes:

A = STOCKED STRIPE COLORS.

C = CRATE REEL PUT-UP.

P = STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M' FOR 1 OR 2 STRIPES. 10000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL

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#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.