

For more Information  
please call

1-800-Belden1



## General Description:

Tinned copper, PVC insulation, medium wall. The extruded PVC insulation is flame and ozone resistant. Inert to most chemicals, oils, and solvents. Covers single cond., PVC insulated hook-up wire for internal wiring of electrical and electronic equipment.

## 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.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .017                 |

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 0.080 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 7 lbs/1000 ft.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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): 10/01/2005

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

Military Specification: MIL-W-76C type MWP

MIL Spec Rating: 1000 V, 80°C

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.350

Max. Operating Voltage - Other:

Voltage Description

1000 V RMS Mil-W-76C

Max. Recommended Current:

Description Current

Single conductor in free air @ 30C ambient 16 amps

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color              | Notes | Item Desc              |
|--------------|----------|-------------|--------------------|-------|------------------------|
| 8522 001100  | 100 FT   | 0.800 LB    | BROWN              |       | 18 STR PVC BRN         |
| 8522 0011000 | 1,000 FT | 8.000 LB    | BROWN              | P     | 18 STR PVC BRN         |
| 8522 002100  | 100 FT   | 0.800 LB    | RED                |       | 18 STR PVC RED         |
| 8522 0021000 | 1,000 FT | 8.000 LB    | RED                | P     | 18 STR PVC RED         |
| 8522 003100  | 100 FT   | 0.800 LB    | ORANGE             |       | 18 STR PVC ORG         |
| 8522 0031000 | 1,000 FT | 8.000 LB    | ORANGE             | P     | 18 STR PVC ORG         |
| 8522 004100  | 100 FT   | 0.800 LB    | YELLOW             |       | 18 STR PVC YEL         |
| 8522 0041000 | 1,000 FT | 8.000 LB    | YELLOW             | P     | 18 STR PVC YEL         |
| 8522 005100  | 100 FT   | 0.800 LB    | GREEN, DARK        |       | 18 STR PVC GRN         |
| 8522 0051000 | 1,000 FT | 8.000 LB    | GREEN, DARK        | P     | 18 STR PVC GRN         |
| 8522 006100  | 100 FT   | 0.800 LB    | BLUE, LIGHT        |       | 18 STR PVC LBLU        |
| 8522 0061000 | 1,000 FT | 8.000 LB    | BLUE, LIGHT        | P     | 18 STR PVC LBLU        |
| 8522 007100  | 100 FT   | 0.800 LB    | VIOLET             |       | 18 STR PVC VIO         |
| 8522 0071000 | 1,000 FT | 8.000 LB    | VIOLET             | P     | 18 STR PVC VIO         |
| 8522 008100  | 100 FT   | 0.800 LB    | GRAY               |       | 18 STR PVC GRY         |
| 8522 0081000 | 1,000 FT | 8.000 LB    | GRAY               | P     | 18 STR PVC GRY         |
| 8522 009100  | 100 FT   | 0.800 LB    | WHITE              |       | 18 STR PVC WHT         |
| 8522 0091000 | 1,000 FT | 8.000 LB    | WHITE              | P     | 18 STR PVC WHT         |
| 8522 010100  | 100 FT   | 0.800 LB    | BLACK              |       | 18 STR PVC BLK         |
| 8522 0101000 | 1,000 FT | 8.000 LB    | BLACK              | P     | 18 STR PVC BLK         |
| 8522 0111000 | 1,000 FT | 8.000 LB    | TAN                | P     | 18 STR PVC TAN         |
| 8522 0121000 | 1,000 FT | 8.000 LB    | PINK               | P     | 18 STR PVC PNK         |
| 8522 013100  | 100 FT   | 0.800 LB    | BLUE, DARK         |       | 18 STR PVC DBLU        |
| 8522 0131000 | 1,000 FT | 8.000 LB    | BLUE, DARK         | P     | 18 STR PVC DBLU        |
| 8522 014100  | 100 FT   | 0.800 LB    | WHITE/BLACK        | A     | 18 STR PVC WHT/BLK     |
| 8522 0141000 | 1,000 FT | 8.000 LB    | WHITE/BLACK        | A     | 18 STR PVC WHT/BLK     |
| 8522 0151000 | 1,000 FT | 8.000 LB    | WHITE/RED          | A     | 18 STR PVC WHT/RED     |
| 8522 0161000 | 1,000 FT | 8.000 LB    | WHITE/GREEN        | A     | 18 STR PVC WHT/GRN     |
| 8522 018100  | 100 FT   | 0.800 LB    | WHITE/BLUE         | A     | 18 STR PVC WHT/BLU     |
| 8522 0181000 | 1,000 FT | 8.000 LB    | WHITE/BLUE         | A     | 18 STR PVC WHT/BLU     |
| 8522 020100  | 100 FT   | 0.800 LB    | WHITE/ORANGE       | A     | 18 STR PVC WHT/ORG     |
| 8522 0201000 | 1,000 FT | 8.000 LB    | WHITE/ORANGE       | A     | 18 STR PVC WHT/ORG     |
| 8522 0261000 | 1,000 FT | 8.000 LB    | WHITE/BLACK/BLUE   | A     | 18 STR PVC WHT/BLK/BLU |
| 8522 0301000 | 1,000 FT | 8.000 LB    | WHITE/BLACK/VIOLET | A     | 18 STR PVC WHT/BLK/VIO |

**Notes:**

A = STOCKED STRIPE COLORS.

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



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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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