



**Product:** [8505](#) 

Lead Wire, #26 Str TC, PVC Ins, TYPE B MIL-W-16878/1

 [Request Sample](#)

## Product Description

Low Temp Plastic Lead Wire, 26AWG (7x34) Tinned Copper, PVC Insulation, TYPE B MIL-W-16878/1 600V 105C

## Technical Specifications

### Product Overview

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments, (Type B) MIL-W-16878/1-Low Temp applications |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | Number of Element | Size | Stranding | Material           |
|--------------|-------------------|------|-----------|--------------------|
| Conductor(s) | 1                 | 26   | 7x34      | TC - Tinned Copper |

#### Insulation

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.039 in (0.99 mm)       |

Overall Cable Diameter (Nominal): 0.039 in (0.99 mm)

### Electrical Characteristics

#### Voltage

| UL Voltage Rating |
|-------------------|
| 600 V RMS         |

### Mechanical Characteristics

#### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.16 in (4.1 mm) | 0.16 in (4.1 mm)  |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 3.5 lbs (1.6 kg) |
| Bulk Cable Weight: | 1.25 lbs/1000ft  |

### Standards and Compliance

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Sustainability:                | CA Prop 65                                                                                                                |
| Military Compliance:           | MIL-W-16878/1                                                                                                             |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

### History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.406 Revision Date: 06-30-2022 |
|----------------------|--------------------------------------------------|

### Part Numbers

#### Variants

| Item #      | Color | Putup Type | Length | UPC          |
|-------------|-------|------------|--------|--------------|
| 8505 010100 | Black | Reel       | 100 ft | 612825210566 |

|              |             |      |          |              |
|--------------|-------------|------|----------|--------------|
| 8505 0101000 | Black       | Reel | 1,000 ft | 612825210573 |
| 8505 006100  | Blue, Light | Reel | 100 ft   | 612825210481 |
| 8505 0061000 | Blue, Light | Reel | 1,000 ft | 612825210498 |
| 8505 001100  | Brown       | Reel | 100 ft   | 612825210351 |
| 8505 0011000 | Brown       | Reel | 1,000 ft | 612825210368 |
| 8505 008100  | Gray        | Reel | 100 ft   | 612825210528 |
| 8505 0081000 | Gray        | Reel | 1,000 ft | 612825210535 |
| 8505 005100  | Green, Dark | Reel | 100 ft   | 612825210467 |
| 8505 0051000 | Green, Dark | Reel | 1,000 ft | 612825210474 |
| 8505 003100  | Orange      | Reel | 100 ft   | 612825210405 |
| 8505 0031000 | Orange      | Reel | 1,000 ft | 612825210412 |
| 8505 002100  | Red         | Reel | 100 ft   | 612825210382 |
| 8505 0021000 | Red         | Reel | 1,000 ft | 612825210399 |
| 8505 007100  | Violet      | Reel | 100 ft   | 612825210504 |
| 8505 0071000 | Violet      | Reel | 1,000 ft | 612825210511 |
| 8505 009100  | White       | Reel | 100 ft   | 612825210542 |
| 8505 0091000 | White       | Reel | 1,000 ft | 612825210559 |
| 8505 004100  | Yellow      | Reel | 100 ft   | 612825210429 |
| 8505 0041000 | Yellow      | Reel | 1,000 ft | 612825210436 |

© 2022 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.