



Product: [8501](#)

Lead Wire, #18 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 18AWG (7x26) 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      | No. of Elements | Size | Stranding | Material           |
|--------------|-----------------|------|-----------|--------------------|
| Conductor(s) | 1               | 18   | 7x26.5    | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.068 in (1.7 mm)        |

|                                   |                   |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.068 in (1.7 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Voltage

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

Mechanical Characteristics

Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.28 in (7.1 mm) | 0.28 in (7.1 mm)  |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 22.4 lbs (10.2 kg) |
| Bulk Cable Weight: | 6.5 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: 0.440 Revision Date: 07-03-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #      | Color | Putup Type | Length | UPC          | Footnote |
|-------------|-------|------------|--------|--------------|----------|
| 8501 010100 | Black | Reel       | 100 ft | 612825209362 |          |

|              |                      |      |          |              |   |
|--------------|----------------------|------|----------|--------------|---|
| 8501 0101000 | Black                | Reel | 1,000 ft | 612825209379 | P |
| 8501 006100  | Blue, Light          | Reel | 100 ft   | 612825209287 |   |
| 8501 0061000 | Blue, Light          | Reel | 1,000 ft | 612825209294 | P |
| 8501 001100  | Brown                | Reel | 100 ft   | 612825209164 |   |
| 8501 0011000 | Brown                | Reel | 1,000 ft | 612825209171 | P |
| 8501 0081000 | Gray                 | Reel | 1,000 ft | 612825209317 | P |
| 8501 005100  | Green, Dark          | Reel | 100 ft   | 612825209263 |   |
| 8501 0051000 | Green, Dark          | Reel | 1,000 ft | 612825209270 | P |
| 8501 003100  | Orange               | Reel | 100 ft   | 612825209225 |   |
| 8501 0031000 | Orange               | Reel | 1,000 ft | 612825209232 | P |
| 8501 002100  | Red                  | Reel | 100 ft   | 612825209201 |   |
| 8501 0021000 | Red                  | Reel | 1,000 ft | 612825209218 | P |
| 8501 0071000 | Violet               | Reel | 1,000 ft | 612825209300 | P |
| 8501 009100  | White                | Reel | 100 ft   | 612825209331 |   |
| 8501 0091000 | White                | Reel | 1,000 ft | 612825209348 | P |
| 8501 0141000 | White, Black Stripe  | Reel | 1,000 ft | 612825209386 |   |
| 8501 0181000 | White, Blue Stripe   | Reel | 1,000 ft | 612825209409 | A |
| 8501 0211000 | White, Gray Stripe   | Reel | 1,000 ft | 612825209423 | A |
| 8501 0201000 | White, Orange Stripe | Reel | 1,000 ft | 612825209416 |   |
| 8501 0151000 | White, Red Stripe    | Reel | 1,000 ft | 612825209393 | A |
| 8501 004100  | Yellow               | Reel | 100 ft   | 612825209249 |   |
| 8501 0041000 | Yellow               | Reel | 1,000 ft | 612825209256 | P |

© 2024 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.