BELDEN



# Product: 35614

## Lead Wire, #14 Str TC, XLPO Ins, AWM 3173

Request Sample

### Product Description

Rubber Lead Wire, 14AWG (41x30) Tinned Copper, XLPO Insulation, AWM 3173 CSA TYPE CL1251 600V 125C

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Suitable Applications: | Class 130(B) motor lead systems, internal wiring of appliances |

#### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|
| 14 | 41x30 | TC - Tinned Copper | 1 |

| | |
|---|---|
| Conductor Count: | 1 |

**Insulation**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| XLP, XLPO, XLPE (Thermoset) | 0.155 in | 0.032 in |

#### Electrical Characteristics

**Current**

| Max. Recommended Current [A] |
|---|
| Single conductor in free air @ 30ºC: 42 A |

**Voltage**

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

#### Temperature Range

| | |
|---|---|
| UL Temp Rating: | 125°C |

#### Mechanical Characteristics

| | |
|---|---|
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 12 Hours @ 325°F (163°C) ~ 8 Hours @ 350°F (177°C) |
| Bulk Cable Weight: | 19 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.55 in |

#### Standards

| | |
|---|---|
| UL AWM Style Compliance: | AWM 3173 |
| CSA Rating: | 600 V, 125°C |
| CSA Type: | CL1251 |

#### Applicable Environmental and Other Programs

| | |
|---|---|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| CA Prop 65: | Yes |
| MII Order #39 (China RoHS): | Yes |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| UL voltage rating: | 600 V RMS |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | No |

## Related Part Numbers

**Variants**

| Item # | Color | Put-Up Type | Length | UPC |
|---|---|---|---|---|
| 35614 010500 | Black | Reel | 500 ft | 612825144991 |
| 35614 0105000 | Black | Reel | 5,000 ft | 612825145004 |
| 35614 0095000 | White | Reel | 5,000 ft | 612825144984 |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP., I - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 200'., U - TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10,000' PER COLOR COMBINATION. (SEE TOPCOAT ADDER TABLE), Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN., F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.362 Revision Date: 05-05-2023 |

© 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.