



Product: [31012](#)

Lead Wire, #12 Str TC, XLPO Ins, UL TYPE SIS VW-1

Request Sample

Product Description

Low Temp Rubber Lead Wire, 12AWG (65x30) Tinned Copper, XLPO Insulation, UL TYPE SIS VW-1 600V 90C

Technical Specifications

Product Overview

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Suitable Applications: | for wiring switchboards, panelboards , distribution boards |
|------------------------|------------------------------------------------------------|

Physical Characteristics (Overall)

| Conductor        |           |                    |                   |
|------------------|-----------|--------------------|-------------------|
| AWG              | Stranding | Material           | No. of Conductors |
| 12               | 65x30     | TC - Tinned Copper | 1                 |
| Conductor Count: |           |                    | 1                 |

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

Outer Jacket Material

| Nominal Diameter |
|------------------|
| 0.167 in         |

Electrical Characteristics

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

Temperature Range

|                 |      |
|-----------------|------|
| UL Temp Rating: | 90°C |
|-----------------|------|

Standards

|                          |     |
|--------------------------|-----|
| NEC/(UL) Compliance:     | SIS |
| UL AWM Style Compliance: | N/A |
| Military Compliance:     | N/A |

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 II): | Yes                           |
| EU Directive 2012/19/EU (WEEE):    | Yes                           |
| EU Directive 2015/863/EU:          | Yes                           |
| EU Directive Compliance:           | EU Directive 2003/11/EC (BFR) |

|                                       |            |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-07-01 |
| MII Order #39 (China RoHS):           | Yes        |

Flammability, LS0H, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| UL voltage rating: | 600 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color | Putup Type | Length   | UPC          |
|---------------|-------|------------|----------|--------------|
| 31012 0083000 | Gray  | Reel       | 3,000 ft | 612825141556 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.292 Revision Date: 07-26-2020 |
|----------------------|--------------------------------------------------|

© 2020 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.