



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 | |
|---------------------|--|
| 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 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) |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

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

Related Part Numbers

Variants

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

| | |
|-----------|--|
| 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. |
|-----------|--|

History

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| Update and Revision: | Revision Number: 0.357 Revision Date: 05-05-2023 |
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