



Product: [31010](#)

Lead Wire, #10 Str TC, XLPO Ins, UL TYPE SIS VW-1

Request Sample

Product Description

Low Temp Rubber Lead Wire, 10AWG (65x28) 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 |
| 10               | 65x28     | TC - Tinned Copper | 1                 |
| Conductor Count: |           |                    | 1                 |

| Insulation                  |                        |
|-----------------------------|------------------------|
| Material                    | Nominal Wall Thickness |
| XLP, XLPO, XLPE (Thermoset) | 0.033 in               |
| XLP, XLPO, XLPE (Thermoset) |                        |

| Outer Jacket     |  |
|------------------|--|
| Nominal Diameter |  |
| 0.184 in         |  |

Electrical Characteristics

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

Temperature Range

|                              |                |
|------------------------------|----------------|
| UL Temp Rating:              | 90°C           |
| Operating Temperature Range: | -40°C to +90°C |

Mechanical Characteristics

|                                       |               |
|---------------------------------------|---------------|
| Bulk Cable Weight:                    | 47 lbs/1000ft |
| Min. Bend Radius During Installation: | 0.74 in       |

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, LS0H, 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          |
|---------------|-------|-------------|----------|--------------|
| 31010 0082500 | Gray  | Reel        | 2,500 ft | 612825141549 |

|           |                                                                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP., U - TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10,000' PER COLOR COMBINATION. (SEE TOPCOAT ADDER TABLE) |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.383 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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