



**Product:** [32518](#) 

Lead Wire, #18 Str TC, Neoprene Ins, AWM 3046

 [Request Sample](#)

## Product Description

Low Temp Rubber Lead Wire, 18AWG (16x30) Tinned Copper, Neoprene Insulation, AWM 3046 CSA TYPE CL903600V 90C

## Technical Specifications

### Product Overview

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Suitable Applications: | internal wiring of appliances, oil resistance applications, motor lead systems |
|------------------------|--------------------------------------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18  | 16x30     | TC - Tinned Copper | 1                 |

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

#### Insulation

| Material | Nominal Wall Thickness |
|----------|------------------------|
| Neoprene | 0.048 in               |

### Electrical Characteristics

#### Voltage

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

### Temperature Range

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

### Mechanical Characteristics

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Recommended Maximum Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |
| Bulk Cable Weight:                 | 15 lbs/1000ft                                                                   |
| Minimum Minor Axis Bend Radius:    | 0.57 in                                                                         |

### Standards

|                          |             |
|--------------------------|-------------|
| UL AWM Style Compliance: | AWM 3046    |
| CSA Rating:              | 600 V, 90°C |
| CSA Type:                | CL903       |

### 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) |
| CA Prop 65:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

Flammability, LSOH, 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          |
|---------------|-------|-------------|----------|--------------|
| 32518 0105000 | Black | Reel        | 5,000 ft | 612825142928 |
| 32518 0095000 | White | Reel        | 5,000 ft | 612825142911 |

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

Product Notes

|        |                                                                                                                    |
|--------|--------------------------------------------------------------------------------------------------------------------|
| Notes: | Recommended Maximum Baking Cycles: 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |
|--------|--------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.369 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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