



Product: [8899](#)

Lead Wire, #18 Str TC, EPDM Ins

[Request Sample](#)

Product Description

Low Temp Rubber Lead Wire, 18AWG (65x36) Tinned Copper, EPDM Insulation, 5000V 90C

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | used as test probe lead for electrical and electronic measuring for test equipment |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18 | 65x36 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|------------------|------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.144 in | 0.0485 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.9 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|----------------------|--|
| 10C temperature rise | Single conductor in free air @ 30°C: 6.5 A |

Voltage

| Breakdown Voltage | Non-UL Voltage Rating | Suggested Working Voltage |
|-------------------|-----------------------|---------------------------|
| 20,000 V | 5000 V | 5,000 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -40°C To +90°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 15 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 0.58 in |

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 CE Mark: | No |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-----|
| UL voltage rating: | N/A |
|--------------------|-----|

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 8899 01025 | Black | Reel | 25 ft | 612825217817 |
| 8899 010100 | Black | Reel | 100 ft | 612825217794 |
| 8899 010500 | Black | Reel | 500 ft | 612825217824 |
| 8899 010U500 | Black | Reel | 500 ft | 612825217787 |
| 8899 0101000 | Black | Reel | 1,000 ft | 612825217800 |
| 8899 010U1000 | Black | Reel | 1,000 ft | 612825217770 |
| 8899 006100 | Blue, Light | Reel | 100 ft | 612825217732 |
| 8899 006500 | Blue, Light | Reel | 500 ft | 612825217749 |
| 8899 005100 | Green, Dark | Reel | 100 ft | 612825217718 |
| 8899 005500 | Green, Dark | Reel | 500 ft | 612825217725 |
| 8899 00225 | Red | Reel | 25 ft | 612825217671 |
| 8899 002100 | Red | Reel | 100 ft | 612825217657 |
| 8899 002500 | Red | Reel | 500 ft | 612825217688 |
| 8899 002U500 | Red | Reel | 500 ft | 612825217640 |
| 8899 0021000 | Red | Reel | 1,000 ft | 612825217664 |
| 8899 002U1000 | Red | Reel | 1,000 ft | 612825217633 |
| 8899 009100 | White | Reel | 100 ft | 612825217756 |
| 8899 009500 | White | Reel | 500 ft | 612825217763 |
| 8899 004100 | Yellow | Reel | 100 ft | 612825217695 |
| 8899 004500 | Yellow | Reel | 500 ft | 612825217701 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
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Product Notes

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| Notes: | Breakdown Voltage: 20,000 V RMS Suggested Working Voltage: 5000 V RMS |
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History

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| Update and Revision: | Revision Number: 0.302 Revision Date: 11-17-2020 |
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