



Product: [34406](#)

Lead Wire, #6 Str TC, CSPE Ins, AWM 3192

[Request Sample](#)

Product Description

Low Temp Rubber Lead Wire, 6AWG (84x25) Tinned Copper, CSPE Insulation, AWM 3192 CSA TYPE CL1052 600V 105C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Class 130(B) motor lead systems, internal wiring of appliances, oil resistance applications |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 6 | 84x25 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|---------------------------------------|------------------|------------------------|-----------------------------|
| CSPE - Chlorosulphonated Polyethylene | 0.343 in | 0.062 in | 0.06 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 0.40 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--|--|
| Single conductor in free air @ 30C ambient | Single conductor in free air @ 30°C: 121 A |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL AWM 3192 | 600 V RMS |
| CSA CL1052 | 300 V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

| | |
|--------------------------------|--------------------------|
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) |
| Bulk Cable Weight: | 127 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 1.38 in |

Standards

| | |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 3192 |
|--------------------------|-------------------|

| | |
|-------------|------------------|
| CSA Rating: | 300 V RMS, 105°C |
| CSA Type: | CL1052 |

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) |
| EU CE Mark: | Yes |
| 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 |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 34406 010100 | Black | Reel | 100 ft | 612825143765 |
| 34406 010250 | Black | Reel | 250 ft | 612825143789 |
| 34406 0101000 | Black | Reel | 1,000 ft | 612825143772 |
| 34406 008100 | Gray | Reel | 100 ft | 612825143758 |

| | |
|-----------|--|
| Footnote: | C - CRATE REEL PUT-UP., F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. |
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Product Notes

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| Notes: | Separator material over conductor. |
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History

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| Update and Revision: | Revision Number: 0.377 Revision Date: 07-12-2021 |
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