



**Product:** [34440](#)

Lead Wire, #4/0 Str TC, CSPE Ins, AWM 3193

[Request Sample](#)

**Product Description**

Low Temp Rubber Lead Wire, 4/0AWG (805x26) Tinned Copper, CSPE Insulation, AWM 3193 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 |
|-----|-----------|--------------------|-------------------|
| 4/0 | 805x26    | TC - Tinned Copper | 1                 |

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

**Insulation**

| Material                              | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|---------------------------------------|------------------|------------------------|-----------------------------|
| CSPE - Chlorosulphonated Polyethylene | 0.819 in         | 0.084 in               | 0.08 in                     |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 0.05 Ohm/1000ft       |

**Current**

| Element                                    | Max. Recommended Current [A]               |
|--------------------------------------------|--------------------------------------------|
| Single conductor in free air @ 30C ambient | Single conductor in free air @ 30°C: 446 A |

**Voltage**

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL AWM 3193    | 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:             | 823 lbs/1000ft           |
| Min. Bend Radius/Minor Axis:   | 3.28 in                  |

**Standards**

|                          |                   |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 3193 |
|--------------------------|-------------------|

|             |                  |
|-------------|------------------|
| 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                           |
| MIL 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 | Put-Up Type | Length | UPC          |
|--------------|-------|-------------|--------|--------------|
| 34440 01050  | Black | Reel        | 50 ft  | 612825144168 |
| 34440 010250 | Black | Reel        | 250 ft | 612825144151 |

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

Product Notes

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| Notes: | Exact strand count may vary. Separator material over conductor. |
|--------|-----------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.368 Revision Date: 08-27-2021 |
|----------------------|--------------------------------------------------|

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