



Product: [34920](#)

Lead Wire, #20 Str TC, CSPE Ins, AWM 3190

Request Sample

**Product Description**

Low Temp Rubber Lead Wire, 20AWG (10x30) Tinned Copper, CSPE Insulation, AWM 3190 CSA TYPE CL1052 300V 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 |
| 20               | 10x30     | TC - Tinned Copper | 1                 |
| Conductor Count: |           | 1                  |                   |

| Insulation                            |                  |                        |
|---------------------------------------|------------------|------------------------|
| Material                              | Nominal Diameter | Nominal Wall Thickness |
| CSPE - Chlorosulphonated Polyethylene | 0.1 in           | 0.031 in               |

Electrical Characteristics

| Voltage           |  |
|-------------------|--|
| UL Voltage Rating |  |
| 300 V RMS         |  |

Temperature Range

|                 |       |
|-----------------|-------|
| UL Temp Rating: | 105°C |
|-----------------|-------|

Mechanical Characteristics

|                              |              |
|------------------------------|--------------|
| Bulk Cable Weight:           | 8 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.4 in       |

Standards

|                          |                  |
|--------------------------|------------------|
| UL AWM Style Compliance: | AWM 3190         |
| 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, LS0H, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL voltage rating: | 300 V RMS |
|--------------------|-----------|

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item #        | Color | Put-Up Type | Length   | UPC          |
|---------------|-------|-------------|----------|--------------|
| 34920 0105000 | Black | Reel        | 5,000 ft | 612825144328 |
| 34920 0085000 | Gray  | Reel        | 5,000 ft | 612825144311 |

|           |                                                                                                                                                                                                                                                                                                                |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Footnote: | 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. |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.358 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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