

## RATINGS / APPROVALS

200°C – 300 Volts - UL Style 3122 / CSA AWM I A/B FT2

200°C – 600 Volts - UL Style 3231, 3071, 3074, 3075 / CSA AWM I A/B FT2

## CONSTRUCTION

### Conductors

24 AWG – 16 AWG (300 Volt)

24 AWG – 4/0 AWG (600 Volts)

Stranded tinned copper or nickel-plated copper  
(Other conductor materials available)

### Insulating System

Extruded Silicone Rubber

### Outer Covering

Braided fiberglass with a high temperature finish

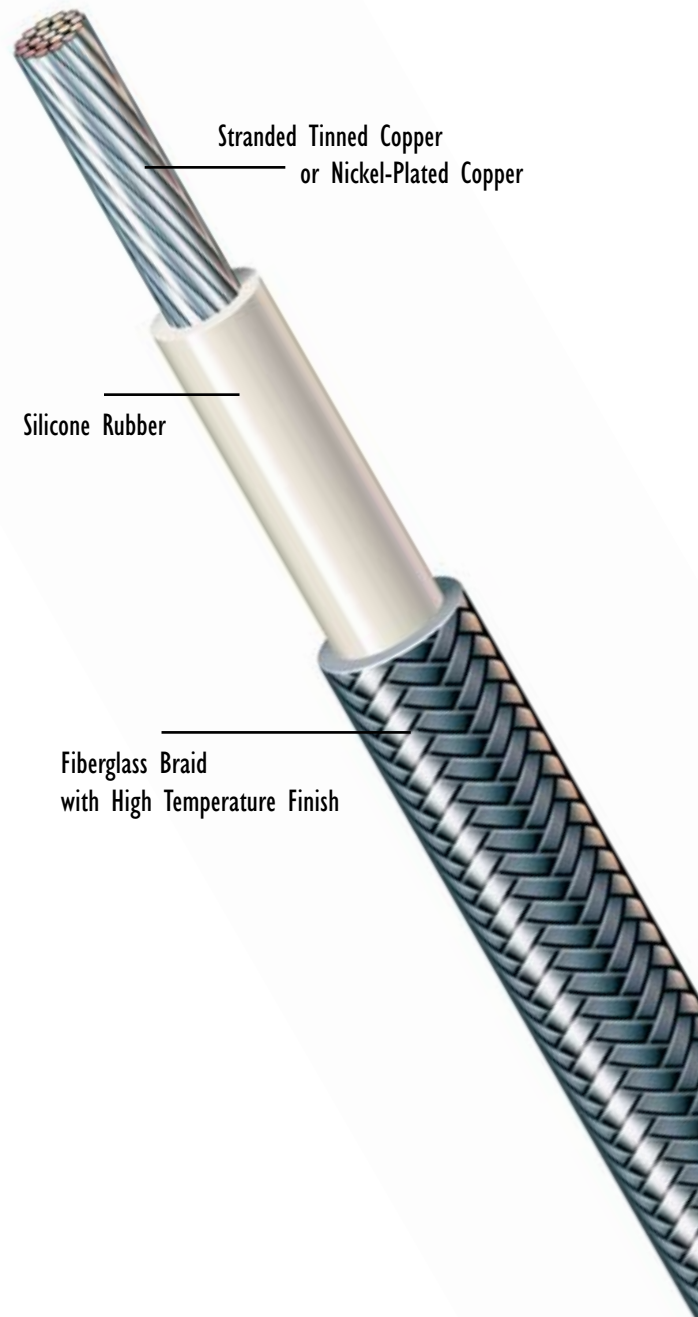
### Standard Color Coding

Available in Colors or Striped Combinations

## CHARACTERISTICS

- Silicone formulations suitable for UV, ozone, moisture exposure.
- Not suited for immersed applications.
- Suitable for applications to -60°C.
- Silicone Rubber in extreme environments, exceeding 200°C, leaves a non-conductive ash and retains excellent insulation properties.

UL VW-I optional (consult factory)



**Radix**<sup>™</sup>

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# SPECIFICATIONS

# BRAIDED SILICONE 200 HIGH-TEMPERATURE LEAD WIRE

## BRAIDED SILICONE 200C/300V

| Part No.  | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL   | CSA           |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|------|---------------|
| JIM22P007 | 22        | 7         | 0.073             | 1.85          | 4.45                   | 6.62            | 3122 | AWM I A/B FT2 |
| JIM20P007 | 20        | 7         | 0.080             | 2.03          | 5.77                   | 8.59            | 3122 | AWM I A/B FT2 |
| JIM18T007 | 18        | 7         | 0.094             | 2.31          | 8.42                   | 12.53           | 3122 | AWM I A/B FT2 |
| JIM16T007 | 16        | 7         | 0.100             | 2.54          | 11.34                  | 16.88           | 3122 | AWM I A/B FT2 |

## BRAIDED SILICONE 200C/600V

| Part No.  | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL        | CSA    |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|-----------|--------|
| JGM24P007 | 24        | 7         | 0.102             | 2.59          | 6.21                   | 9.24            | 3231      | SEWF-2 |
| JGM22P007 | 22        | 7         | 0.106             | 2.69          | 7.44                   | 11.07           | 3231/3172 | SEWF-2 |
| JGM20P010 | 20        | 10        | 0.111             | 2.82          | 8.67                   | 12.90           | 3231/3172 | SEWF-2 |
| JFM18T007 | 18        | 7         | 0.124             | 3.15          | 11.65                  | 17.33           | 3231/3071 | SEW-2  |
| JFM16T007 | 16        | 7         | 0.134             | 3.40          | 15.39                  | 22.90           | 3231/3071 | SEW-2  |
| JFM14T007 | 14        | 7         | 0.149             | 3.78          | 21.02                  | 31.28           | 3231/3071 | SEW-2  |
| JFM12T019 | 12        | 19        | 0.166             | 4.22          | 29.58                  | 44.02           | 3231      | SEW-2  |
| JFM10T019 | 10        | 19        | 0.220             | 5.59          | 48.75                  | 72.55           | 3231      | SEW-2  |
| JFM08T054 | 8         | 54        | 0.290             | 7.37          | 84.69                  | 126.03          | 3231      | SEW-2  |
| JFM06T084 | 6         | 84        | 0.361             | 9.16          | 124.88                 | 185.85          | 3231      | SEW-2  |
| JFM04T133 | 4         | 133       | 0.404             | 10.26         | 179.39                 | 266.97          | 3231      | SEW-2  |
| JFM02T259 | 2         | 259       | 0.477             | 12.12         | 272.03                 | 404.84          | 3231      | SEW-2  |
| JFM01T259 | 1         | 259       | 0.545             | 13.84         | 347.39                 | 516.99          | 3231      | SEW-2  |
| JFMX1T259 | 1/0       | 259       | 0.608             | 15.44         | 427.44                 | 636.13          | 3231      | SEW-2  |
| JFMX2T259 | 2/0       | 259       | 0.648             | 16.46         | 521.13                 | 775.56          | 3231      | SEW-2  |
| JFMX3T259 | 3/0       | 259       | 0.694             | 17.63         | 638.59                 | 950.37          | 3231      | SEW-2  |
| JFMX4T259 | 4/0       | 259       | 0.758             | 19.25         | 787.92                 | 1172.61         | 3231      | SEW-2  |

Standard conductor: Tinned Copper (Standard conductor for 20-22 AWG ONLY: Nickel Plated Copper-2%)

Consult factory for alternate conductor and stranding options.

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All dimensions listed above are nominal.

Compliance: UL Listed File No. E22244 • CSA Certified File No. LL13427 or LL80670

Information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact the Radix factory for dimensional verification. Information herein is believed to be accurate as of publication date; however, if an error exists it is unintentional and Radix Wire Company, Inc. is not responsible for any claim traceable to such error.



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