

RATINGS / APPROVALS

200°C – 600 Volts - UL Style 3512 / 3604 / CSA AWM I A/B FT2

200°C – 1,000 Volts - UL Style 3644 / CSA AWM I A/B FT2

CONSTRUCTION

Conductors

22 AWG – 4/0 AWG

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

Insulating System

Separator tape between conductor and silicone on sizes 10awg to 4/0 on UL Style 3644 only. (Not shown in illustration)

Composite Extruded Silicone Rubber with intermediate fiberglass reinforcement

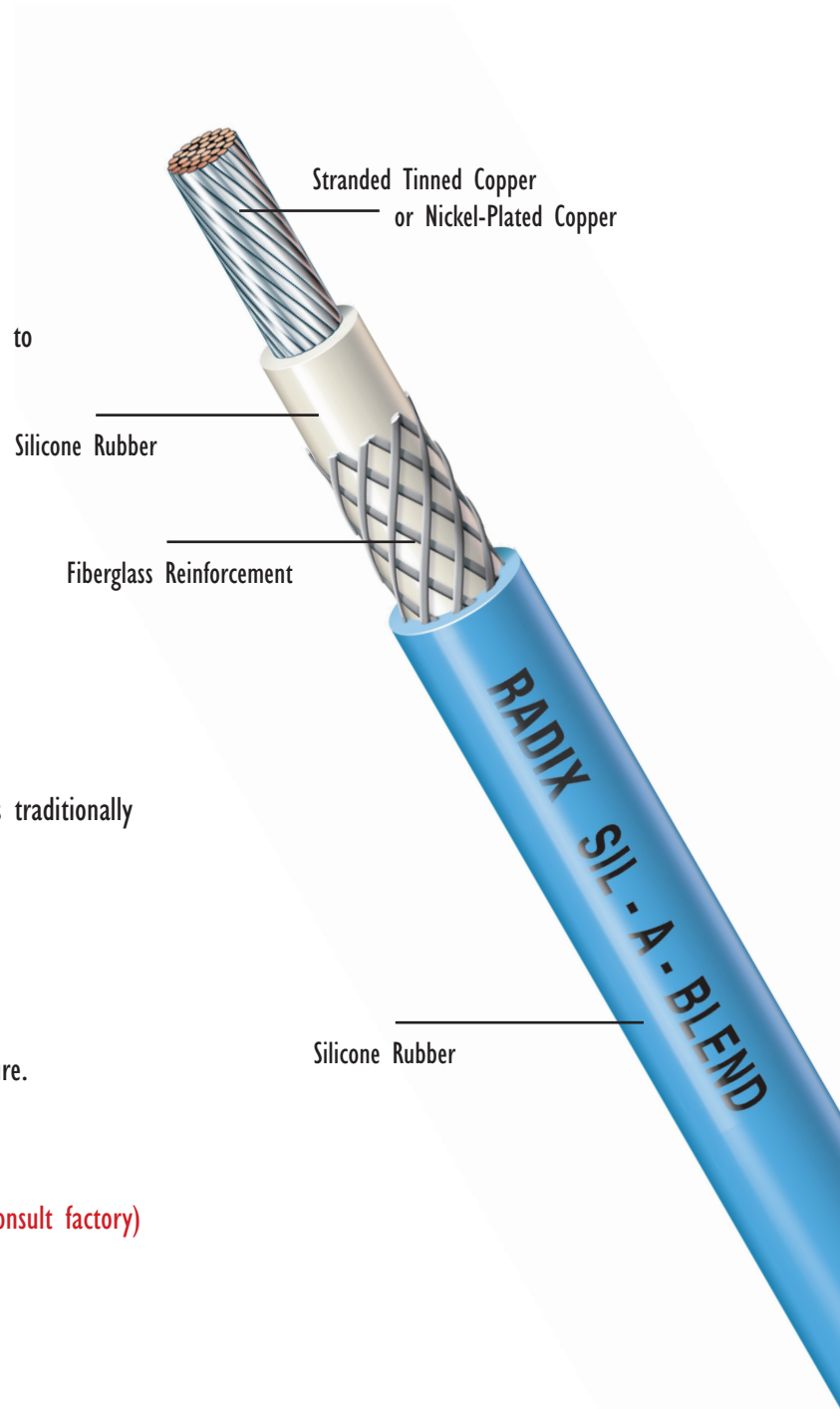
Standard Color Coding

Available in Colors

CHARACTERISTICS

- Outperforms Braided Silicone products:
 - ~ Eliminates braid fraying, flowering and shrink back.
 - ~ Virtually eliminates skin irritation.
 - ~ Significantly Reduces airborne fiberglass contaminants traditionally found in high volume processing.
 - ~ Superior flexibility.
 - ~ Color stable at elevated temperatures.
 - ~ LSZH - Low Smoke Zero Halogen.
 - ~ Suitable for varnish dip and bake applications.
 - ~ Smaller OD
- Silicone formulations suitable for UV, ozone, moisture exposure.
Not suited for immersed applications.
- Suitable for applications to -60°C

150°C version with flexible stranded conductor is available. (consult factory)



SPECIFICATIONS

SIL-A-BLEND® 200 HIGH-TEMPERATURE LEAD WIRE

SIL-A-BLEND 200C/600V

| Part No. | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL | CSA |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|-----------|---------------|
| NBA22P007 | 22 | 7 | 0.100 | 2.54 | 6.61 | 9.83 | 3512/3604 | AWM I A/B FT2 |
| NBA20P007 | 20 | 7 | 0.110 | 2.79 | 8.36 | 12.44 | 3512/3604 | AWM I A/B FT2 |
| NBA18T007 | 18 | 7 | 0.121 | 3.07 | 11.34 | 16.87 | 3512/3604 | AWM I A/B FT2 |
| NBA16T007 | 16 | 7 | 0.134 | 3.40 | 14.38 | 21.40 | 3512/3604 | AWM I A/B FT2 |
| NBA14T007 | 14 | 7 | 0.140 | 3.55 | 19.75 | 29.39 | 3512/3604 | AWM I A/B FT2 |
| NBA12T019 | 12 | 19 | 0.166 | 4.22 | 28.52 | 42.44 | 3512/3604 | AWM I A/B FT2 |
| NBA10T019 | 10 | 19 | 0.215 | 5.46 | 47.30 | 70.39 | 3512/3604 | AWM I A/B FT2 |
| NBA08T061 | 8 | 61 | 0.254 | 6.45 | 72.95 | 108.56 | 3512/3604 | AWM I A/B FT2 |
| NBA06T084 | 6 | 84 | 0.347 | 8.81 | 118.18 | 175.87 | 3512/3604 | AWM I A/B FT2 |
| NBA04T133 | 4 | 133 | 0.381 | 9.67 | 161.70 | 240.64 | 3512/3604 | AWM I A/B FT2 |
| NBA02T259 | 2 | 259 | 0.446 | 11.33 | 239.70 | 356.70 | 3512/3604 | AWM I A/B FT2 |
| NBA01T259 | 1 | 259 | 0.521 | 13.23 | 310.44 | 462.00 | 3512/3604 | AWM I A/B FT2 |
| NCAX1T259 | 1/0 | 259 | 0.576 | 14.63 | 391.31 | 582.33 | 3604 | AWM I A/B FT2 |
| NCAX2T259 | 2/0 | 259 | 0.622 | 15.80 | 482.18 | 717.56 | 3604 | AWM I A/B FT2 |
| NCAX3T259 | 3/0 | 259 | 0.671 | 17.04 | 590.86 | 879.30 | 3604 | AWM I A/B FT2 |
| NCAX4T259 | 4/0 | 259 | 0.731 | 18.57 | 730.23 | 1086.70 | 3604 | AWM I A/B FT2 |

SIL-A-BLEND 200C/1000V

| Part No. | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL | CSA |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|------|---------------|
| NGA18T007 | 18 | 7 | 0.121 | 3.07 | 11.34 | 16.87 | 3644 | AWM I A/B FT2 |
| NGA16T007 | 16 | 7 | 0.134 | 3.40 | 14.38 | 21.40 | 3644 | AWM I A/B FT2 |
| NGA14T007 | 14 | 7 | 0.140 | 3.55 | 19.75 | 29.39 | 3644 | AWM I A/B FT2 |
| NGA12T019 | 12 | 19 | 0.166 | 4.22 | 28.52 | 42.44 | 3644 | AWM I A/B FT2 |
| NGA10T019 | 10 | 19 | 0.215 | 5.46 | 47.30 | 70.39 | 3644 | AWM I A/B FT2 |
| NGA08T061 | 8 | 61 | 0.254 | 6.45 | 72.95 | 108.56 | 3644 | AWM I A/B FT2 |
| NGA06T084 | 6 | 84 | 0.347 | 8.81 | 118.18 | 175.87 | 3644 | AWM I A/B FT2 |
| NGA04T133 | 4 | 133 | 0.381 | 9.67 | 161.70 | 240.64 | 3644 | AWM I A/B FT2 |
| NGA02T259 | 2 | 259 | 0.446 | 11.33 | 239.70 | 356.70 | 3644 | AWM I A/B FT2 |
| NGA01T259 | 1 | 259 | 0.521 | 13.23 | 310.44 | 462.00 | 3644 | AWM I A/B FT2 |
| NGAX1T259 | 1/0 | 259 | 0.576 | 14.63 | 391.31 | 582.33 | 3644 | AWM I A/B FT2 |
| NGAX2T259 | 2/0 | 259 | 0.622 | 15.80 | 480.18 | 714.59 | 3644 | AWM I A/B FT2 |
| NGAX3T259 | 3/0 | 259 | 0.671 | 17.04 | 590.85 | 879.28 | 3644 | AWM I A/B FT2 |
| NGAX4T259 | 4/0 | 259 | 0.731 | 18.57 | 730.23 | 1086.70 | 3644 | AWM I A/B FT2 |

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 is not responsible for any claim traceable to such error.



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