

200C/600V and 200C/1000V

# SIL-A-BLEND® 200

## HIGH-TEMPERATURE LEAD WIRE

### RATINGS / APPROVALS

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

200°C - 1000 Volts - UL Style 3644 / CSA AWM I A/B FT2

200°C - 600 Volts/200°C - 1000 Volts - UL Style 3604/3644 / CSA AWM I A/B FT2

### CONSTRUCTION

#### Conductors

22 AWG - 4/0 AWG

6 AWG - 4/0 AWG (DUAL RATED)

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

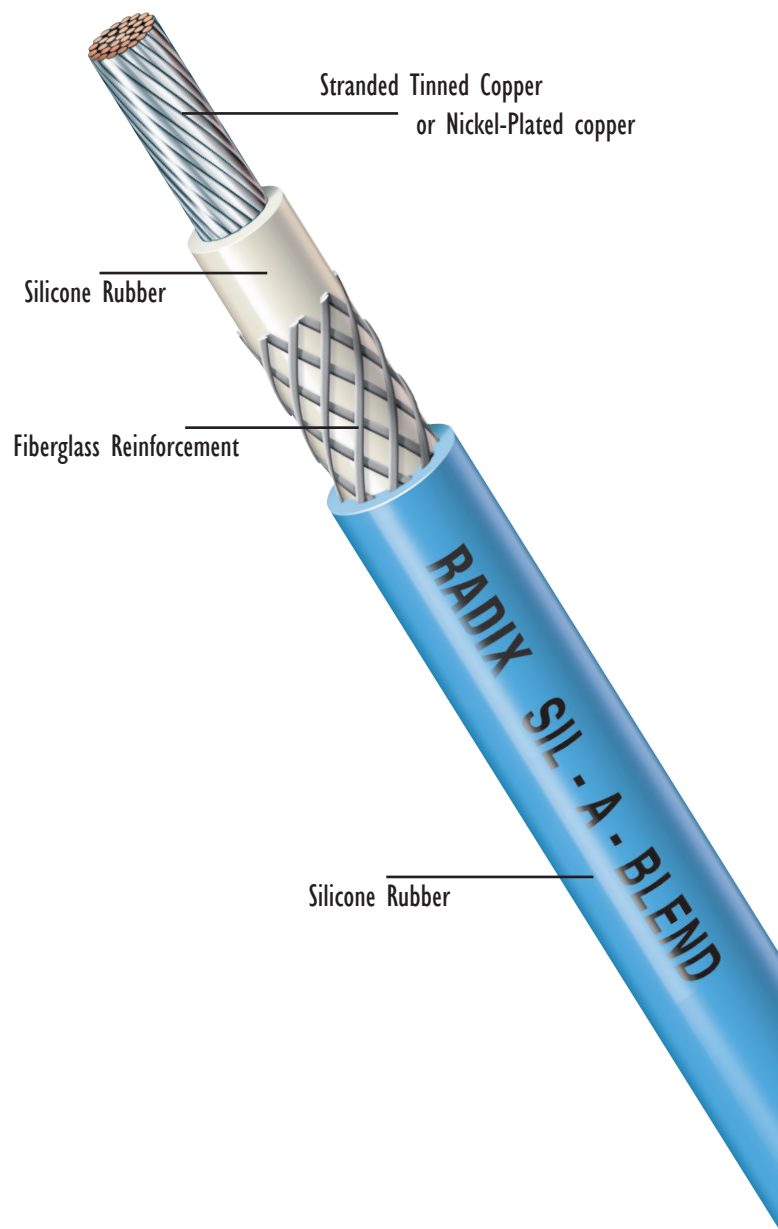
### CHARACTERISTICS

- Outperforms Braided Silicone products
  - Eliminates braid fraying, flowering, and shrink back
  - Virtually eliminates skin irritation
  - 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)

**Recommended replacement for old glass braided silicone**



**Radix™**

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# 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/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA 180C
NBA22P007	22	7	0.100	2.54	7	9.85	0.80	3512/3604	AWM I A/B FT2
NBA20P007	20	7	0.110	2.79	8	12.49	0.88	3512/3604	AWM I A/B FT2
NBA18T007	18	7	0.123	3.12	11	16.74	0.98	3512/3604	AWM I A/B FT2
NBA16T007	16	7	0.134	3.40	15	22.19	1.07	3512/3604	AWM I A/B FT2
NBA14T007	14	7	0.146	3.71	20	29.24	1.17	3512/3604	AWM I A/B FT2
NBA12T019	12	19	0.163	4.14	29	43.25	1.30	3512/3604	AWM I A/B FT2
NBA10T019	10	19	0.212	5.38	47	70.32	1.70	3512/3604	AWM I A/B FT2
NBA08T061	8	61	0.254	6.45	73	108.43	2.03	3512/3604	AWM I A/B FT2
NBA06T084	6	84	0.347	8.81	118	175.88	2.78	3512/3604	AWM I A/B FT2
NBA04T133	4	133	0.381	9.68	162	240.78	3.05	3512/3604	AWM I A/B FT2
NBA02T259	2	259	0.446	11.33	240	356.73	3.57	3512/3604	AWM I A/B FT2
NBA01T259	1	259	0.521	13.23	310	462.01	4.17	3512/3604	AWM I A/B FT2

## SIL-A-BLEND 200C/1000V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA 180C
NGA18T007	18	7	0.119	3.02	11	16.03	0.95	3644	AWM I A/B FT2
NGA16T007	16	7	0.130	3.30	14	21.40	1.04	3644	AWM I A/B FT2
NGA14T007	14	7	0.144	3.66	20	29.69	1.15	3644	AWM I A/B FT2
NGA12T019	12	19	0.162	4.11	29	42.44	1.30	3644	AWM I A/B FT2
NGA10T019	10	19	0.215	5.46	47	70.39	1.72	3644	AWM I A/B FT2
NGA08T061	8	61	0.276	7.01	78	115.83	2.21	3644	AWM I A/B FT2

## SIL-A-BLEND 200C/600V and SIL-A-BLEND 200C/1000V (Dual Rated Products)

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA 180C
NGA06T084	6	84	0.347	8.81	117	174.84	2.78	3604/3644	AWM I A/B FT2
NGA04T133	4	133	0.405	10.29	176	261.54	3.24	3604/3644	AWM I A/B FT2
NGA02T259	2	259	0.463	11.76	260	386.50	3.70	3604/3644	AWM I A/B FT2
NGA01T259	1	259	0.554	14.07	339	504.72	4.43	3604/3644	AWM I A/B FT2
NGAX1T259	1/0	259	0.600	15.24	415	617.02	4.80	3604/3644	AWM I A/B FT2
NGAX2T259	2/0	259	0.653	16.59	514	765.49	5.22	3604/3644	AWM I A/B FT2
NGAX3T259	3/0	259	0.712	18.08	630	938.27	5.70	3604/3644	AWM I A/B FT2
NGAX4T259	4/0	259	0.777	19.74	789	1174.44	6.22	3604/3644	AWM I A/B FT2

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

Consult factory for alternative conductor and stranding options.

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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