

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

RoHS Compliant

## CONSTRUCTION

### Conductors

22 AWG - 4/0 AWG

8 AWG - 4/0 AWG (DUAL RATED)

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

### Insulating System

Composite Extruded Silicone Rubber with intermediate fiberglass reinforcement

Separator tape between conductor and silicone on select sizes  
(Not shown in illustration)

### Standard Color Coding

Available in Colors

## CHARACTERISTICS

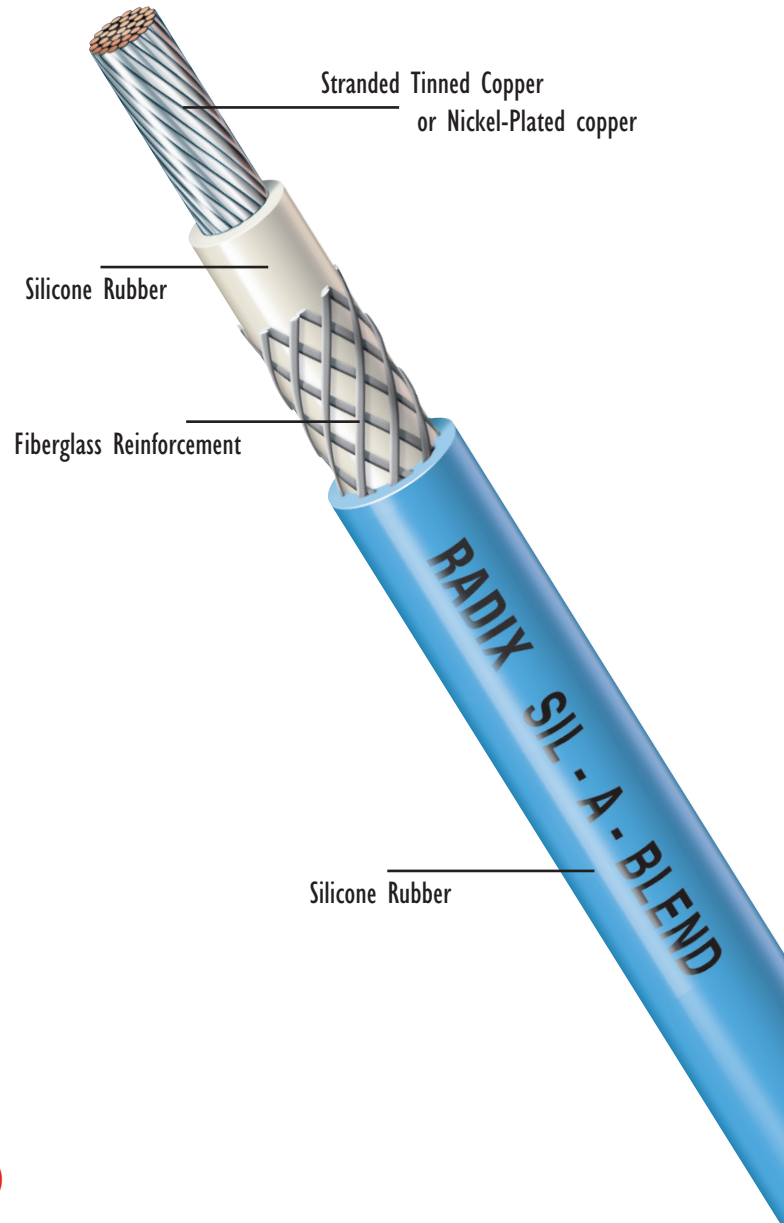
- Outperforms Braided Silicone products
  - Eliminates braid fraying, flowering, and shrink back
  - Virtually eliminates skin irritation
  - Reduces airborne fiberglass contaminants traditionally found in high volume processing
  - Superior flexibility
  - Color stable at elevated temperatures
  - LSZH: Low smoke, zero halogen
  - Suitable for varnish dip and bake applications
- 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 glass braided silicone

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# Sil-A-Blend® 200

## HIGH-TEMPERATURE LEAD WIRE

### SPECIFICATIONS

#### SIL-A-BLEND 200C/600 V

Part No.	Temp Rating	Voltage Rating	Awg. Size	#	Final O.D. (in)	Final O.D. (mm)	Wgt. (lbs/Mft)	Wgt. (kg/km)	Min. Bend Radius (in)	UL	CSA
NBA22P007	200C	600V	22 NPC 2%	7	0.099	2.51	6.53	9.72	0.79	3512/3604	AWM I A/B FT2
NBA20P007	200C	600V	20 NPC 2%	7	0.108	2.74	8.19	12.19	0.86	3512/3604	AWM I A/B FT2
NBA18T007	200C	600V	18	7	0.119	3.02	10.75	16.00	0.95	3512/3604	AWM I A/B FT2
NBA16T007	200C	600V	16	7	0.130	3.30	14.39	21.42	1.04	3512/3604	AWM I A/B FT2
NBA14T007	200C	600V	14	7	0.142	3.61	19.07	28.38	1.14	3512/3604	AWM I A/B FT2
NBA12T019	200C	600V	12	19	0.160	4.06	28.59	42.55	1.28	3512/3604	AWM I A/B FT2
NBA10T019	200C	600V	10	19	0.212	5.38	47.20	70.24	1.70	3512/3604	AWM I A/B FT2
NBA08T061	200C	600V	8	61	0.254	6.45	73.42	109.27	2.03	3512/3604	AWM I A/B FT2
NBA06T084	200C	600V	6	84	0.347	8.81	118.21	175.92	2.78	3512/3604	AWM I A/B FT2
NBA04T133	200C	600V	4	133	0.381	9.68	160.00	238.12	3.05	3512/3604	AWM I A/B FT2
NBA02T259	200C	600V	2	259	0.446	11.33	239.70	356.73	3.57	3512/3604	AWM I A/B FT2
NBA01T259	200C	600V	1	259	0.525	13.34	312.07	464.43	4.20	3512/3604	AWM I A/B FT2

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

Part No.	Temp Rating	Voltage Rating	Awg. Size	# Strands	Final O.D. (in)	Final O.D. (mm)	Wgt. (lbs/Mft)	Wgt. (kg/km)	Min. Bend Radius (in)	UL	CSA
NGA18T007	200C	1000V	18	7	0.119	3.02	10.75	16.00	0.95	3644	AWM I A/B FT2
NGA16T007	200C	1000V	16	7	0.130	3.30	14.39	21.42	1.04	3644	AWM I A/B FT2
NGA14T007	200C	1000V	14	7	0.142	3.61	19.07	28.38	1.14	3644	AWM I A/B FT2
NGA12T019	200C	1000V	12	19	0.160	4.06	28.59	42.55	1.28	3644	AWM I A/B FT2
NGA10T019	200C	1000V	10	19	0.212	5.38	47.19	70.23	1.70	3644	AWM I A/B FT2

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

Part No.	Temp Rating	Voltage Rating	Awg. Size	# Strands	Final O.D. (in)	Final O.D. (mm)	Wgt. (lbs/Mft)	Wgt. (kg/km)	Min. Bend Radius (in)	UL	CSA
NGA08T061	200C	600V/1000V	8	61	0.254	6.45	73.42	109.27	2.03	3604/3644	AWM I A/B FT2
NGA06T084	200C	600V/1000V	6	84	0.347	8.81	117.65	175.09	2.78	3604/3644	AWM I A/B FT2
NGA04T133	200C	600V/1000V	4	133	0.381	9.68	159.44	237.28	3.05	3604/3644	AWM I A/B FT2
NGA02T259	200C	600V/1000V	2	259	0.446	11.33	239.14	355.90	3.57	3604/3644	AWM I A/B FT2
NGA01T259	200C	600V/1000V	1	259	0.521	13.23	309.61	460.77	4.17	3604/3644	AWM I A/B FT2
NGAX1T259	200C	600V/1000V	1/0	259	0.576	14.63	391.34	582.41	4.61	3604/3644	AWM I A/B FT2
NGAX2T259	200C	600V/1000V	2/0	259	0.622	15.80	480.18	714.62	4.98	3604/3644	AWM I A/B FT2
NGAX3T259	200C	600V/1000V	3/0	259	0.671	17.04	590.84	879.31	5.37	3604/3644	AWM I A/B FT2
NGAX4T259	200C	600V/1000V	4/0	259	0.735	18.67	732.88	1090.70	5.88	3604/3644	AWM I A/B FT2

Standard conductor: Tinned Copper or Nickel Plated Copper (2%) as designated  
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 & Cable is not responsible for any claim traceable to such error.

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