

200C/300V, 200C/600V  
AND 200C/1000V

# DuraBlend® 200

HIGH-TEMPERATURE LEAD WIRE

## RATINGS / APPROVALS

200°C - 300 Volts - UL Style 3919 / 3586 / CSA AWM I A/B FT2

200°C - 600 Volts - UL Style 3772 / CSA AWM I A/B FT2

200°C - 1000 Volts - UL Style 3788 / CSA AWM I A/B FT2

## CONSTRUCTION

### Conductors

22 AWG - 16 AWG (300V)

22 AWG - 4/0 AWG (600V, 1000V)

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 3788 only. (Not shown in illustration)

Composite Extruded Silicone Rubber with intermediate fiberglass reinforcement

### Standard Color Coding

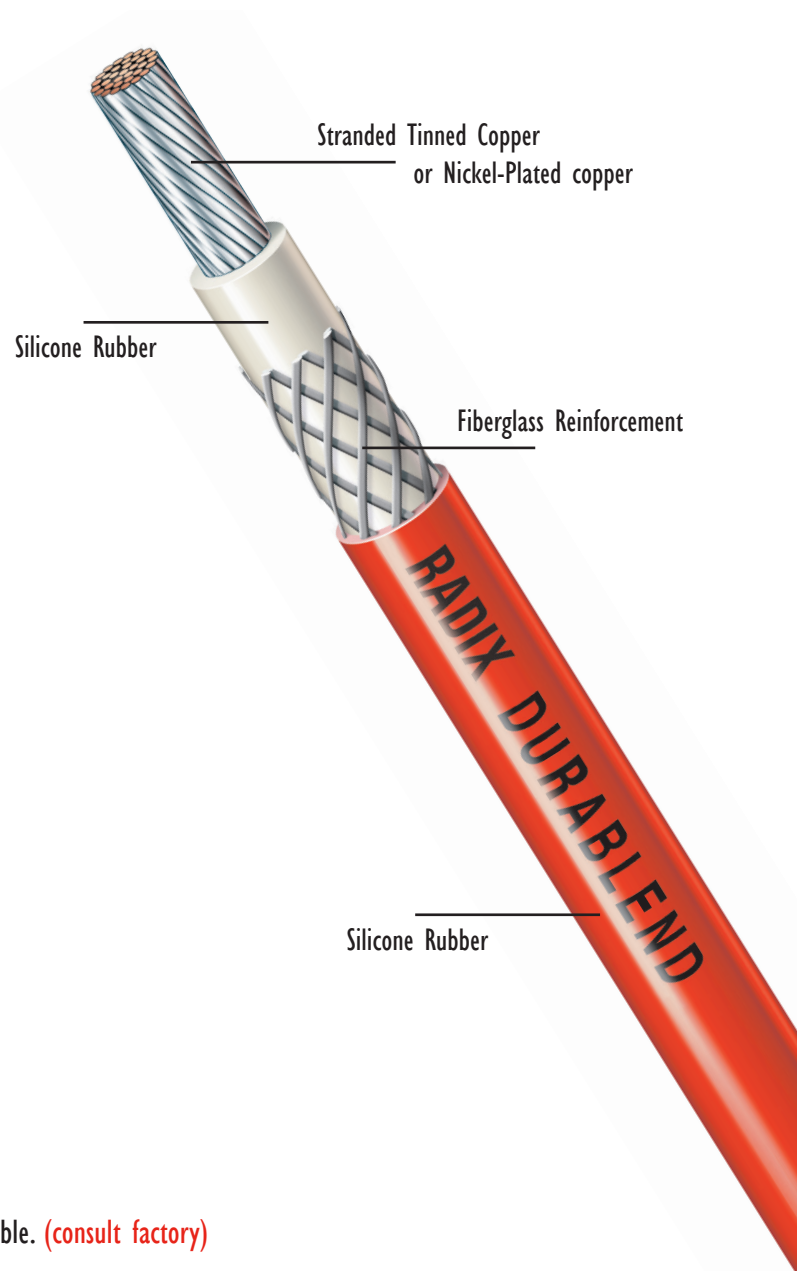
Available in Colors or Striped Combinations

## CHARACTERISTICS

- Outperforms Braided Silicone products:
  - Smaller diameter, lighter weight, tighter bend radius
  - Intermediate fiberglass reinforcement
  - Eliminates braid fraying, flowering and shrink back
  - Virtually eliminates dermatitis
  - Significantly reduces airborne fiberglass contaminants traditionally found in high volume processing
  - Superior flexibility
  - Color stable at elevated temperatures
  - LSZH: Low Smoke Zero Halogen
- Silicone formulations suitable for UV, ozone or moisture exposure
- Not suited for liquid immersed applications
- Suitable for applications to -60°C.
- UL VW-I flame rating (600 Volt Only)

150°C version with flexible stranded conductor (UL Style 3771) is available. (consult factory)

**Recommended replacement for old glass braided silicone**



**Radix™**

Radix Wire

26000 Lakeland Boulevard • Cleveland, OH 44132

Tel: 216 731-9191 • Fax: 216 731-7082

www.radix-wire.com

# SPECIFICATIONS

# DuraBlend® 200 HIGH-TEMPERATURE LEAD WIRE

## DuraBlend® 200C/300V

Part No..	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
NNA22P007	22	7	0.066	1.68	4	5.83	0.53	3919	AWM I A/B FT2
NNA20P007	20	7	0.078	1.98	5	8.10	0.62	3919	AWM I A/B FT2
NNA18T007	18	7	0.087	2.21	8	11.27	0.70	3919	AWM I A/B FT2
NNA16T007	16	7	0.099	2.51	11	16.25	0.79	3919	AWM I A/B FT2

## DuraBlend® 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
NPA22P007	22	7	0.080	2.03	5	7.07	0.64	3772	AWM I A/B FT2
NPA20P007	20	7	0.087	2.21	6	8.99	0.70	3772	AWM I A/B FT2
NPA18T007	18	7	0.096	2.44	8	12.25	0.77	3772	AWM I A/B FT2
NPA16T007	16	7	0.108	2.74	12	17.37	0.86	3772	AWM I A/B FT2
NPA14T007	14	7	0.121	3.07	16	24.09	0.97	3772	AWM I A/B FT2
NPA12T019	12	19	0.138	3.51	25	37.41	1.10	3772	AWM I A/B FT2
NPA10T019	10	19	0.161	4.09	38	56.60	1.29	3772	AWM I A/B FT2

## DuraBlend® 200C/600/1000V

Part No..	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
NQA08T061	8	61	0.212	5.38	63	94.41	1.70	3772/3788	AWM I A/B FT2
NQA06T084	6	84	0.313	7.95	106	157.47	2.50	3772/3788	AWM I A/B FT2
NQA04T133	4	133	0.356	9.04	158	235.47	2.85	3772/3788	AWM I A/B FT2
NQA02T259	2	259	0.427	10.85	243	362.04	3.42	3772/3788	AWM I A/B FT2
NQA01T259	1	259	0.499	12.67	316	470.13	3.99	3772/3788	AWM I A/B FT2
NQAX1T259	1/0	259	0.544	13.82	371	552.23	4.35	3772/3788	AWM I A/B FT2
NQAX2T259	2/0	259	0.590	14.99	458	681.91	4.72	3772/3788	AWM I A/B FT2
NQAX3T259	3/0	259	0.639	16.23	567	843.89	5.11	3772/3788	AWM I A/B FT2
NQAX4T259	4/0	259	0.699	17.75	704	1048.02	5.59	3772/3788	AWM I A/B FT2

## DuraBlend® 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
NQA18T007	18	7	0.102	2.59	9	13.01	0.82	3788	AWM I A/B FT2
NQA16T007	16	7	0.114	2.90	12	18.23	0.91	3788	AWM I A/B FT2
NQA14T007	14	7	0.129	3.28	18	26.33	1.03	3788	AWM I A/B FT2
NQA12T019	12	19	0.146	3.71	26	38.66	1.17	3788	AWM I A/B FT2
NQA10T019	10	19	0.170	4.32	39	58.07	1.36	3788	AWM I A/B FT2

Standard conductor: Tinned 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.



Radix Wire

26000 Lakeland Boulevard • Cleveland, OH 44132

Tel: 216 731-9191 • Fax: 216 731-7082

www.radix-wire.com