

250C/600V

# VW-I SIL-A-BLEND® 250

HIGH-TEMPERATURE LEAD WIRE

## RATINGS / APPROVALS

250°C - 600 Volts - UL Style 3637 / CSA AWM Class I A/B FTI  
UL VW-I Flame Rated  
RoHS Compliant



## CONSTRUCTION

### Conductors

22 AWG - 8 AWG  
Stranded nickel-plated copper - 2%  
(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)

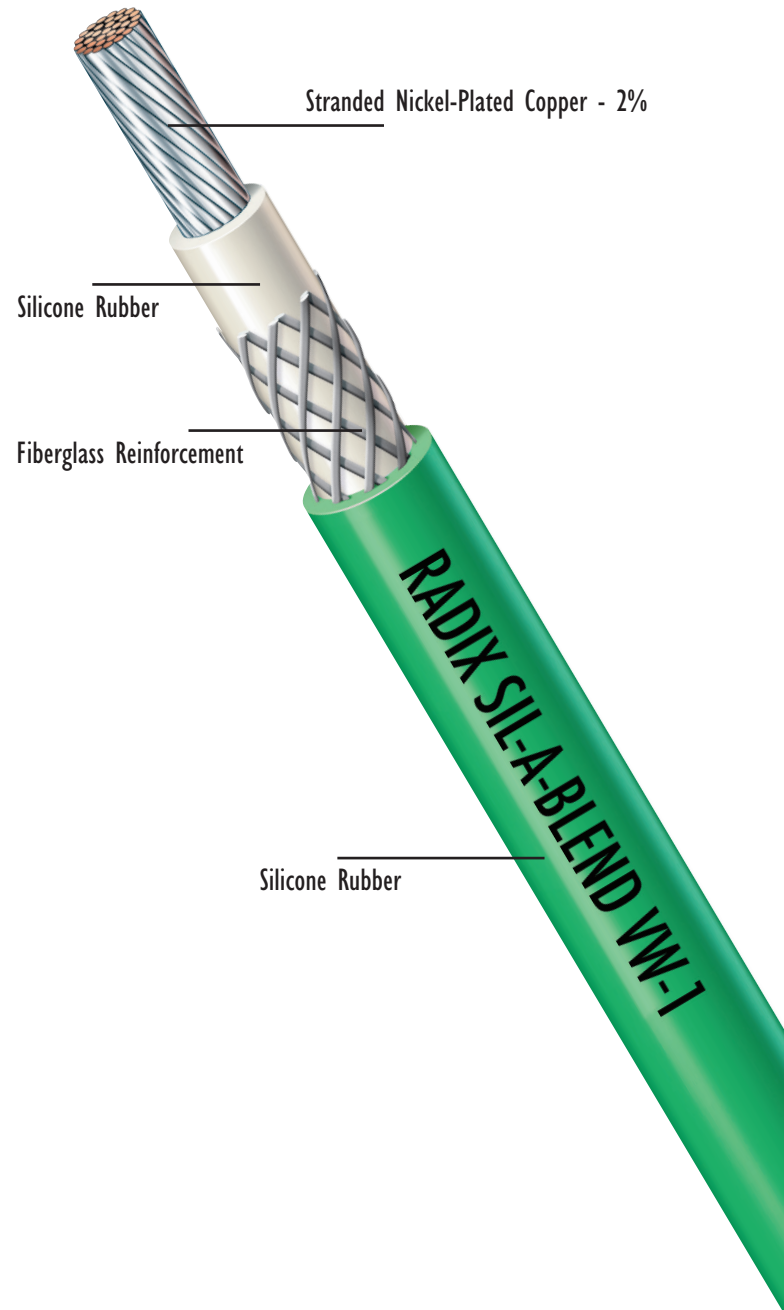
### Standard Color Coding

Available in All 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
- Silicone formulations suitable for UV, ozone, moisture exposure.
- Not suited for immersed applications.
- Suitable for applications to -60°C.
- PFAS-free

**Recommended replacement for glass braided silicone**



### COPYRIGHT

This document is protected under copyright law and is the property of Radix Wire and Cable. Data contained herein is confidential to Radix Wire and Cable and this document and/or any part of the data contained herein may not be copied, duplicated or released for manufacturing or sale of equipment outside of Radix Wire and Cable or any affiliates without the prior written authorization of Radix Wire & Cable.

02-13-2025

**Radix**<sup>™</sup>  
WIRE & CABLE  
EST. 1944

# VW-1 SIL-A-BLEND® 250

## HIGH-TEMPERATURE LEAD WIRE

### SPECIFICATIONS

#### VW-1 SIL-A-BLEND 250C/600V

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
NMV22P007	250C	600V	22 NPC 2%	7	0.103	2.62	6.60	9.82	0.82	3637	AWM I A/B FTI
NMV20P007	250C	600V	20 NPC 2%	7	0.107	2.72	7.82	11.64	0.86	3637	AWM I A/B FTI
NMV18P019	250C	600V	18 NPC 2%	19	0.118	3.00	10.63	15.82	0.94	3637	AWM I A/B FTI
NMV16P026	250C	600V	16 NPC 2%	26	0.129	3.28	14.40	21.43	1.03	3637	AWM I A/B FTI
NMV14P041	250C	600V	14 NPC 2%	41	0.141	3.58	19.67	29.27	1.13	3637	AWM I A/B FTI
NMV12P065	250C	600V	12 NPC 2%	65	0.165	4.19	28.99	43.14	1.32	3637	AWM I A/B FTI
NMV10P105	250C	600V	10 NPC 2%	105	0.215	5.46	47.49	70.68	1.72	3637	AWM I A/B FTI
NMV08P133	250C	600V	8 NPC 2%	133	0.262	6.65	70.91	105.53	2.10	3637	AWM I A/B FTI

Standard conductor: 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 & Cable is not responsible for any claim traceable to such error.

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page.



www.radix-wire.com