

# "U.L. 3239" STYLE HIGH VOLTAGE SILICONE LEAD WIRE

## FEATURES

- Silicone Insulation
- 5 KVDC thru 50 KVDC Voltage Ratings
- Can Be Autoclaved
- 10 thru 22 AWG Conductor
- -40°C thru 150°C Max. Temperature Rating
- High Flexibility
- Excellent Ozone & Corona Resistance
- Radiation Resistant
- Flame Retardant (Meets U.L. VW-1 Requirements)

## TECHNICAL DATA

### DESCRIPTION:

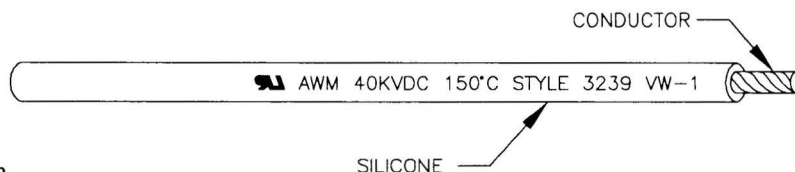
"U.L. 3239" Style High Voltage Silicone Lead Wire uses a compound especially developed for high abrasion resistance requirements and also exhibits excellent dielectric capability in extreme environments. The constructions listed below are available with U.L. labels indicating their listing as recognized appliance wiring materials by Underwriters Laboratories.

### APPLICATIONS:

"U.L. 3239" Style High Voltage Silicone Lead Wire has been used in power supplies, electronic equipment, etc... where high abrasion resistance, high voltage, flame resistance, and flexibility are major requirements.

### SPECIFICATIONS:

Wire Construction	See Table Below
Conductor	Tin-Plated Copper Stranding
Insulation	Silicone Compound (Standard Color White)
Temperature Rating	-40°C thru 150°C Max.
Voltage Ratings	At ambient conditions with the wire lying on a ground plane
Wire Marking	Per U.L. 3239 Requirements



CONDUCTOR INFORMATION			NOM. FINISHED O.D. PER VOLTAGE RATING IN KVDC									
AWG SIZE	STRANDING CONSTRUCTION	COND. NOM. O.D.	5	10	15	20	25	30	35	40	45	50
22	7/30	.032	.092	.112	.122	.145	.175	.215	.242	.272	.312	.352
20	10/30	.038	.098	.118	.128	.150	.182	.220	.248	.278	.318	.358
18	16/30	.050	.110	.130	.140	.160	.195	.230	.260	.290	.330	.370
16	26/30	.056	.116	.136	.146	.165	.200	.240	.266	.300	.336	.376
14	41/30	.072	.132	.152	.162	.182	.216	.255	.282	.315	.352	.392
12	65/30	.090	.150	.170	.180	.200	.234	.270	.300	.335	.370	.415
10	105/30	.115	.175	.195	.205	.225	.259	.295	.325	.360	.395	.440

### COLORS

CAT. No	COLOR	CAT. No	COLOR
0	Black	5	Green
1	Brown	6	Blue
2	Red	7	Violet
3	Orange	8	Gray
4	Yellow	9	White

