



R800 SERIES HIGH VOLTAGE SILICONE LEAD WIRE



Rowe's R800 Series High Voltage Silicone Lead Wire uses Rowe compound R800. This compound was specifically 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, U.L. file #E61355.

FEATURES:

- Silicone Insulation
- 5 KVDC thru 50 KVDC Voltage Rating
- Can Be Autoclaved
- 10 thru 24 AWG Conductor
- -40°C thru 150°C Max. Temperature Rating
- High Flexibility
- Flame Retardant (Meets U.L. VW-1 Requirements)



Rowe's R800 Series 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	Rowe R800 Silicone Compound (Standard Color White)
Temperature Rating	-40°C thru 150°C Max.
Voltage Rating	At ambient conditions with the wire lying on a ground plane
Wire Marking	Per U.L. 3239 Requirements



CONDUCTOR INFO		NOM. FINISHED O.D. PER VOLTAGE RATING IN KVDC										
AWG SIZE	STRANDIN G CONSTRUCTION	COND . NOM. O.D.	5	10	15	20	25	30	35	40	45	50
24	7/32	0.024	0.686	0.107	0.118	0.136	-	-	-	-	-	-
22	7/30	0.032	0.092	0.112	0.122	0.145	0.175	0.215	0.242	0.272	0.312	0.352
20	10/30	0.038	0.098	0.118	0.128	0.15	0.182	0.22	0.248	0.278	0.318	0.358
18	16/30	0.05	0.11	0.13	0.14	0.16	0.195	0.23	0.26	0.29	0.33	0.37
16	26/30	0.056	0.116	0.136	0.146	0.165	0.2	0.24	0.266	0.3	0.336	0.376
14	41/30	0.072	0.132	0.152	0.162	0.182	0.216	0.255	0.282	0.315	0.352	0.392
12	65/30	0.09	0.15	0.17	0.18	0.2	0.234	0.27	0.3	0.335	0.37	0.415
10	105/30	0.115	0.175	0.195	0.205	0.225	0.259	0.295	0.325	0.36	0.395	0.44