

200C/1KV • 200C/3KV  
200C/5KV • 200C/8KV  
200C/15KV

# SUPER J HIGH-VOLT MOTOR LEAD WIRE

## RATINGS / APPROVALS

200°C - 1KV - UL 3644  
200°C - 3KV - UL 30056  
200°C - 5KV - UL 30057  
200°C - 8KV - UL 30058  
200°C - 15KV - Factory Rated

## CONSTRUCTION

### Conductors

18 AWG - 500 MCM (1KV)  
8 AWG - 350 MCM (3KV, 5KV, 8KV, 15KV)  
Stranded tinned copper

\*Consult factory for alternative conductor and stranding options.

### Insulating System

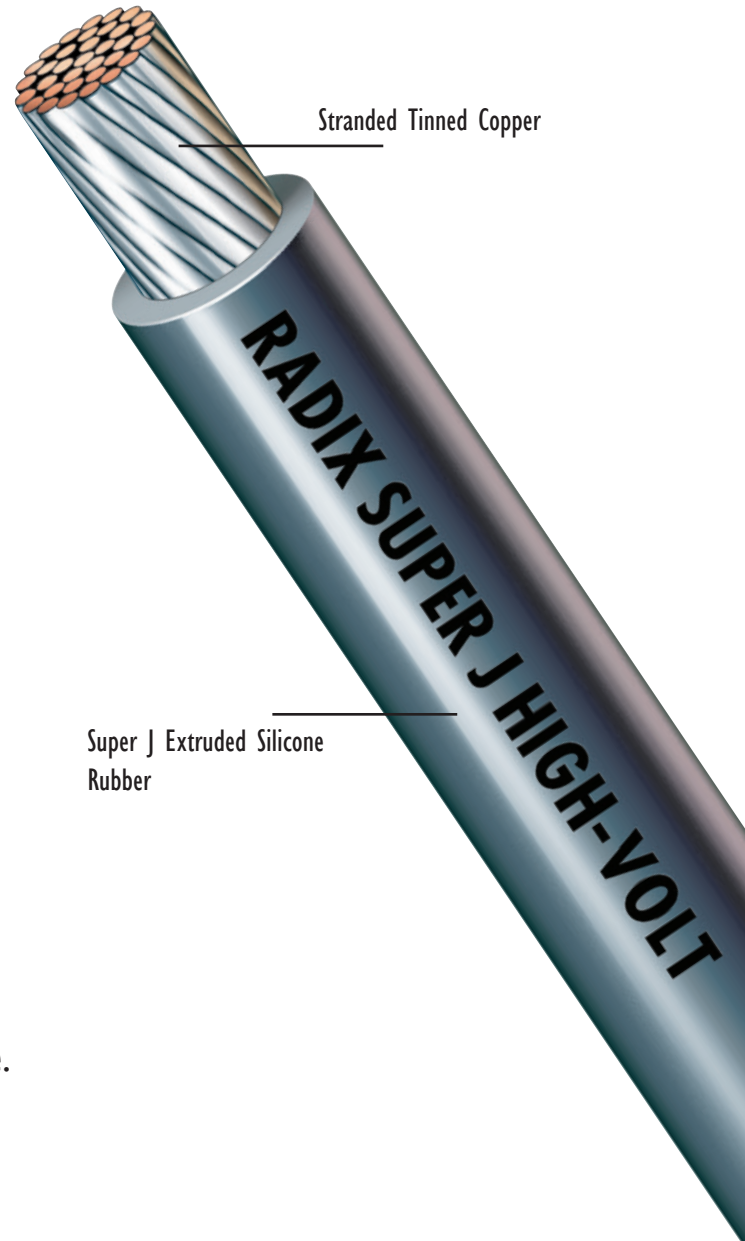
Super J Extruded Silicone Rubber

### Standard Color: Gray

Also available in colors and stripes

## CHARACTERISTICS

- Low Smoke, Zero Halogen
- Silicone formulations suitable for UV, ozone & moisture exposure.
- Superior flexibility
- Superior Abrasion and Cut-Through Resistance
- Not suitable for immersed applications.
- Exceptional replacement for EPDM motor lead wire.



### 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.

# SUPER J HIGH-VOLT MOTOR LEAD WIRE

## SUPER J HIGH-VOLT 200°C/1000V

Part No.	Awg. Size	# Strands	Outer Dia. (in)	Outer Dia. (mm)	Wgt - lbs per 1000 ft	Wgt - kg per km	Min. Bend Radius (in)	UL	CSA
NGJ18T007	18	7	0.108	2.74	8.91	13.26	0.86	3644	AWM I A/B FT2
NGJ16T007	16	7	0.120	3.05	12.49	18.59	0.96	3644	AWM I A/B FT2
NGJ14T007	14	7	0.133	3.38	17.10	25.45	1.06	3644	AWM I A/B FT2
NGJ12T019	12	19	0.150	3.81	26.24	39.05	1.20	3644	AWM I A/B FT2
NGJ10T019	10	19	0.173	4.39	39.31	58.50	1.38	3644	AWM I A/B FT2
NGJ08T061	8	61	0.234	5.94	67.27	100.11	1.87	3644	AWM I A/B FT2
NGJ06T084	6	84	0.337	8.56	111.18	165.46	2.70	3644	AWM I A/B FT2
NGJ04T133	4	133	0.371	9.42	152.31	226.67	2.97	3644	AWM I A/B FT2
NGJ02T259	2	259	0.446	11.33	249.02	370.60	3.57	3644	AWM I A/B FT2
NGJ01T259	1	259	0.507	12.88	296.90	441.86	4.06	3644	AWM I A/B FT2
NGJX1T259	1/0	259	0.562	14.27	377.20	561.36	4.50	3644	AWM I A/B FT2
NGJX2T259	2/0	259	0.608	15.44	464.85	691.81	4.86	3644	AWM I A/B FT2
NGJX3T259	3/0	259	0.657	16.69	574.24	854.61	5.26	3644	AWM I A/B FT2
NGJX4T259	4/0	259	0.717	18.21	712.07	1059.73	5.74	3644	AWM I A/B FT2
NGJ25T427	250 MCM	427	0.816	20.73	858.19	1277.19	6.53	3644	AWM I A/B FT2
NGJ35T427	350 MCM	427	0.926	23.52	1171.88	1744.03	7.41	3644	AWM I A/B FT2
NGJ50T427	500 MCM	427	1.056	26.82	1606.60	2391.00	8.45	3644	AWM I A/B FT2

## SUPER J HIGH-VOLT 200°C/3000V

Part No.	Awg. Size	# Strands	Outer Dia. (in)	Outer Dia. (mm)	Wgt - lbs/ mf	Wgt - kg/ km	Min. Bend Radius (in)	UL
MEJ08T061	8	61	0.338	8.59	92	136.59	2.70	30056
MEJ06T084	6	84	0.410	10.41	134	199.56	3.28	30056
MEJ04T133	4	133	0.444	11.28	177	264.10	3.55	30056
MEJ02T259	2	259	0.509	12.93	260	386.64	4.07	30056
MEJ01T259	1	259	0.544	13.82	314	466.92	4.35	30056
MEJX1T259	1/0	259	0.599	15.21	396	588.91	4.79	30056
MEJX2T259	2/0	259	0.645	16.38	485	721.62	5.16	30056
MEJX3T259	3/0	259	0.694	17.63	596	886.63	5.55	30056
MEJX4T259	4/0	259	0.804	20.42	768	1142.61	6.43	30056
MEJ25T427	250 MCM	427	0.869	22.07	897	1334.25	6.95	30056
MEJ35T427	350 MCM	427	0.979	24.87	1215	1808.21	7.83	30056

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.

# SUPER J HIGH-VOLT MOTOR LEAD WIRE

## SUPER J HIGH-VOLT 200°C/5000V

Part No.	Awg. Size	# Strands	Outer Dia. (in)	Outer Dia. (mm)	Wgt - lbs per 1000 ft	Wgt - kg per km	Min. Bend Radius (in)	UL
MFJ08T061	8	61	0.388	9.86	107	158.85	3.10	30057
MFJ06T084	6	84	0.460	11.68	152	226.21	3.68	30057
MFJ04T133	4	133	0.494	12.55	197	292.86	3.95	30057
MFJ02T259	2	259	0.559	14.20	282	419.39	4.47	30057
MFJ01T259	1	259	0.594	15.09	337	501.79	4.75	30057
MFJX1T259	1/0	259	0.649	16.48	421	627.16	5.19	30057
MFJX2T259	2/0	259	0.695	17.65	512	762.69	5.56	30057
MFJX3T259	3/0	259	0.744	18.90	625	930.71	5.95	30057
MFJX4T259	4/0	259	0.846	21.49	796	1185.08	6.77	30057
MFJ25T427	250 MCM	427	0.911	23.14	927	1380.07	7.29	30057
MFJ35T427	350 MCM	427	1.021	25.93	1250	1859.72	8.17	30057

## SUPER J HIGH-VOLT 200°C/8000V

Part No.	Awg. Size	# Strands	Outer Dia. (in)	Outer Dia. (mm)	Wgt - lbs per 1000 ft	Wgt - kg per km	Min. Bend Radius (in)	UL
MGJ08T061	8	61	0.410	10.41	114	169.61	3.28	30058
MGJ06T084	6	84	0.481	12.22	160	237.67	3.85	30058
MGJ04T133	4	133	0.516	13.11	206	306.47	4.13	30058
MGJ02T259	2	259	0.581	14.76	292	434.74	4.65	30058
MGJ01T259	1	259	0.616	15.65	348	518.11	4.93	30058
MGJX1T259	1/0	259	0.671	17.04	433	644.96	5.37	30058
MGJX2T259	2/0	259	0.717	18.21	525	781.74	5.74	30058
MGJX3T259	3/0	259	0.766	19.46	639	951.07	6.13	30058
MGJX4T259	4/0	259	0.896	22.76	832	1238.48	7.17	30058
MGJ25T427	250 MCM	427	0.961	24.41	966	1437.46	7.69	30058
MGJ35T427	350 MCM	427	1.071	27.20	1293	1923.83	8.57	30058

## SUPER J HIGH-VOLT 200°C/15000V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	Min. Bend Radius (in)
JNJ02T259	2	259	0.918	23.32	514	765.41	7.34
JNJ01T259	1	259	0.958	24.33	589	875.98	7.66
JNJX1T259	1/0	259	1.003	25.48	680	1012.15	8.02
JNJX2T259	2/0	259	1.056	26.82	793	1180.41	8.45
JNJX3T259	3/0	259	1.115	28.32	932	1387.19	8.92
JNJX4T259	4/0	259	1.183	30.05	1104	1643.09	9.46
JNJ25T427	250 MCM	427	1.211	30.76	1189.18	1769.78	9.69
JNJ35T427	350 MCM	427	1.321	33.55	1539.04	2290.46	10.57