

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

Super J High-Volt 200

HIGH TEMPERATURE MOTOR LEAD WIRE



RATINGS / APPROVALS

200°C - 1KV - UL 3644 / CSA AWM I A/B FT2
200°C - 3KV - UL 30056
200°C - 5KV - UL 30057
200°C - 8KV - UL 30058
200°C - 15KV - UL 30081

CONSTRUCTION

Conductors

24 AWG - 750 MCM (1kV)
22 AWG - 350 MCM (3kV)
18 AWG - 350 MCM (5kV, 8kV)
18 AWG - 350 MCM (15kV)

Stranded tinned copper or nickel-plated 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

- Superior Abrasion and Cut-Through Resistance
- Superior flexibility
- LSZH: Low Smoke, Zero Halogen
- Silicone formulation suitable for UV, ozone & moisture exposure.
- Not suitable for immersed applications.
- Suitable for applications to -60°C

Exceptional replacement for High Voltage EPDM motor lead wire.



Stranded Tinned Copper
or Nickel-Plated Copper

Super J Silicone Rubber

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SPECIFICATIONS

Super J High-Volt 200

HIGH TEMPERATURE MOTOR LEAD WIRE

SUPER J HIGH-VOLT 200°C/1000V

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
NGJ24P007	200C	1000V	24 NPC 2%	7	0.086	2.18	4.16	6.19	0.69	3644	AWM I A/B FT2
NGJ22P007	200C	1000V	22 NPC 2%	7	0.092	2.34	5.34	7.95	0.74	3644	AWM I A/B FT2
NGJ20P007	200C	1000V	20 NPC 2%	7	0.099	2.51	6.69	9.96	0.79	3644	AWM I A/B FT2
NGJ18T007	200C	1000V	18	7	0.108	2.74	8.91	13.26	0.86	3644	AWM I A/B FT2
NGJ16T007	200C	1000V	16	7	0.120	3.05	12.49	18.59	0.96	3644	AWM I A/B FT2
NGJ14T007	200C	1000V	14	7	0.133	3.38	17.10	25.45	1.06	3644	AWM I A/B FT2
NGJ12T019	200C	1000V	12	19	0.150	3.81	26.24	39.05	1.20	3644	AWM I A/B FT2
NGJ10T019	200C	1000V	10	19	0.173	4.39	39.31	58.50	1.38	3644	AWM I A/B FT2
NGJ08T061	200C	1000V	8	61	0.234	5.94	76.10	113.25	1.87	3644	AWM I A/B FT2
NGJ06T084	200C	1000V	6	84	0.337	8.56	111.18	165.46	2.70	3644	AWM I A/B FT2
NGJ04T133	200C	1000V	4	133	0.371	9.42	152.31	226.67	2.97	3644	AWM I A/B FT2
NGJ02T259	200C	1000V	2	259	0.436	11.07	230.75	343.41	3.49	3644	AWM I A/B FT2
NGJ01T259	200C	1000V	1	259	0.507	12.88	300.27	446.87	4.06	3644	AWM I A/B FT2
NGJX1T259	200C	1000V	1/0	259	0.562	14.27	386.63	575.40	4.50	3644	AWM I A/B FT2
NGJX2T259	200C	1000V	2/0	259	0.608	15.44	475.03	706.96	4.86	3644	AWM I A/B FT2
NGJX3T259	200C	1000V	3/0	259	0.657	16.69	585.23	870.96	5.26	3644	AWM I A/B FT2
NGJX4T259	200C	1000V	4/0	259	0.717	18.21	724.05	1077.56	5.74	3644	AWM I A/B FT2
NGJ25T427	200C	1000V	250 MCM	427	0.816	20.73	858.19	1277.19	6.53	3644	AWM I A/B FT2
NGJ35T427	200C	1000V	350 MCM	427	0.926	23.52	1171.88	1744.03	7.41	3644	AWM I A/B FT2
NGJ50T427	200C	1000V	500 MCM	427	1.056	26.82	1606.60	2391.00	8.45	3644	AWM I A/B FT2
NGJ75T703	200C	1000V	750 MCM	703	1.318	33.48	2539.63	3779.57	10.54	3644	AWM I A/B FT2

SUPER J HIGH-VOLT 200°C/3000V

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
MEJ22P007	200C	3000V	22 NPC 2%	7	0.144	3.66	10.40	15.48	1.15	30056	N/A
MEJ20P007	200C	3000V	20 NPC 2%	7	0.151	3.84	12.03	17.90	1.21	30056	N/A
MEJ18T007	200C	3000V	18	7	0.160	4.06	14.64	21.79	1.28	30056	N/A
MEJ16T007	200C	3000V	16	7	0.172	4.37	18.73	27.87	1.38	30056	N/A
MEJ14T007	200C	3000V	14	7	0.185	4.70	23.91	35.58	1.48	30056	N/A
MEJ12T019	200C	3000V	12	19	0.202	5.13	33.78	50.27	1.62	30056	N/A
MEJ10T019	200C	3000V	10	19	0.309	7.85	66.32	98.70	2.47	30056	N/A
MEJ08T061	200C	3000V	8	61	0.338	8.59	91.78	136.59	2.70	30056	N/A
MEJ06T084	200C	3000V	6	84	0.410	10.41	134.09	199.56	3.28	30056	N/A
MEJ04T133	200C	3000V	4	133	0.444	11.28	177.46	264.10	3.55	30056	N/A
MEJ02T259	200C	3000V	2	259	0.509	12.93	259.80	386.64	4.07	30056	N/A
MEJ01T259	200C	3000V	1	259	0.544	13.82	313.74	466.92	4.35	30056	N/A
MEJX1T259	200C	3000V	1/0	259	0.599	15.21	395.71	588.91	4.79	30056	N/A
MEJX2T259	200C	3000V	2/0	259	0.645	16.38	484.88	721.62	5.16	30056	N/A
MEJX3T259	200C	3000V	3/0	259	0.694	17.63	595.76	886.63	5.55	30056	N/A
MEJX4T259	200C	3000V	4/0	259	0.804	20.42	767.76	1142.61	6.43	30056	N/A
MEJ25T427	200C	3000V	250 MCM	427	0.869	22.07	896.53	1334.25	6.95	30056	N/A
MEJ35T427	200C	3000V	350 MCM	427	0.979	24.87	1215.00	1808.21	7.83	30056	N/A

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Super J High-Volt 200

HIGH TEMPERATURE MOTOR LEAD WIRE

SUPER J HIGH-VOLT 200°C/5000V

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
MFJ18T007	200C	5000V	18	7	0.202	5.13	20.89	31.09	1.62	30057	N/A
MFJ16T007	200C	5000V	16	7	0.214	5.44	25.39	37.79	1.71	30057	N/A
MFJ14T007	200C	5000V	14	7	0.227	5.77	31.04	46.19	1.82	30057	N/A
MFJ12T019	200C	5000V	12	19	0.244	6.20	41.50	61.76	1.95	30057	N/A
MFJ10T019	200C	5000V	10	19	0.359	9.12	80.08	119.18	2.87	30057	N/A
MFJ08T061	200C	5000V	8	61	0.388	9.86	106.74	158.85	3.10	30057	N/A
MFJ06T084	200C	5000V	6	84	0.460	11.68	152.00	226.21	3.68	30057	N/A
MFJ04T133	200C	5000V	4	133	0.494	12.55	196.78	292.86	3.95	30057	N/A
MFJ02T259	200C	5000V	2	259	0.559	14.20	281.80	419.39	4.47	30057	N/A
MFJ01T259	200C	5000V	1	259	0.594	15.09	337.17	501.79	4.75	30057	N/A
MFJX1T259	200C	5000V	1/0	259	0.649	16.48	421.41	627.16	5.19	30057	N/A
MFJX2T259	200C	5000V	2/0	259	0.695	17.65	512.48	762.69	5.56	30057	N/A
MFJX3T259	200C	5000V	3/0	259	0.744	18.90	625.38	930.71	5.95	30057	N/A
MFJX4T259	200C	5000V	4/0	259	0.846	21.49	796.30	1185.08	6.77	30057	N/A
MFJ25T427	200C	5000V	250 MCM	427	0.911	23.14	927.32	1380.07	7.29	30057	N/A
MFJ35T427	200C	5000V	350 MCM	427	1.021	25.93	1249.61	1859.72	8.17	30057	N/A

SUPER J HIGH-VOLT 200°C/8000V

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
MGJ18T007	200C	8000V	18	7	0.244	6.20	28.59	42.55	1.95	30058	N/A
MGJ16T007	200C	8000V	16	7	0.256	6.50	33.51	49.87	2.05	30058	N/A
MGJ14T007	200C	8000V	14	7	0.269	6.83	39.63	58.98	2.15	30058	N/A
MGJ12T019	200C	8000V	12	19	0.286	7.26	50.67	75.41	2.29	30058	N/A
MGJ10T019	200C	8000V	10	19	0.381	9.68	86.79	129.16	3.05	30058	N/A
MGJ08T061	200C	8000V	8	61	0.410	10.41	113.97	169.61	3.28	30058	N/A
MGJ06T084	200C	8000V	6	84	0.481	12.22	159.70	237.67	3.85	30058	N/A
MGJ04T133	200C	8000V	4	133	0.516	13.11	205.93	306.47	4.13	30058	N/A
MGJ02T259	200C	8000V	2	259	0.581	14.76	292.12	434.74	4.65	30058	N/A
MGJ01T259	200C	8000V	1	259	0.616	15.65	348.14	518.11	4.93	30058	N/A
MGJX1T259	200C	8000V	1/0	259	0.671	17.04	433.37	644.96	5.37	30058	N/A
MGJX2T259	200C	8000V	2/0	259	0.717	18.21	525.28	781.74	5.74	30058	N/A
MGJX3T259	200C	8000V	3/0	259	0.766	19.46	639.06	951.07	6.13	30058	N/A
MGJX4T259	200C	8000V	4/0	259	0.896	22.76	832.18	1238.48	7.17	30058	N/A
MGJ25T427	200C	8000V	250 MCM	427	0.961	24.41	965.88	1437.46	7.69	30058	N/A
MGJ35T427	200C	8000V	350 MCM	427	1.071	27.20	1292.69	1923.83	8.57	30058	N/A

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HIGH TEMPERATURE MOTOR LEAD WIRE

SUPER J HIGH-VOLT 200°C/15000V

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
MHJ18T007	200C	15000V	18	7	0.366	9.30	59.21	88.12	2.93	3008I	N/A
MHJ16T007	200C	15000V	16	7	0.378	9.60	65.34	97.24	3.02	3008I	N/A
MHJ14T007	200C	15000V	14	7	0.391	9.93	72.80	108.34	3.13	3008I	N/A
MHJ12T019	200C	15000V	12	19	0.408	10.36	85.55	127.32	3.26	3008I	N/A
MHJ10T019	200C	15000V	10	19	0.431	10.95	103.52	154.06	3.45	3008I	N/A
MHJ08T061	200C	15000V	8	61	0.460	11.68	131.89	196.29	3.68	3008I	N/A
MHJ06T084	200C	15000V	6	84	0.531	13.49	180.54	268.69	4.25	3008I	N/A
MHJ04T133	200C	15000V	4	133	0.566	14.38	228.21	339.63	4.53	3008I	N/A
MHJ02T259	200C	15000V	2	259	0.631	16.03	317.08	471.90	5.05	3008I	N/A
MHJ01T259	200C	15000V	1	259	0.666	16.92	374.54	557.40	5.33	3008I	N/A
MHJX1T259	200C	15000V	1/0	259	0.791	20.09	505.64	752.51	6.33	3008I	N/A
MHJX2T259	200C	15000V	2/0	259	0.837	21.26	602.09	896.05	6.70	3008I	N/A
MHJX3T259	200C	15000V	3/0	259	0.886	22.50	720.72	1072.60	7.09	3008I	N/A
MHJX4T259	200C	15000V	4/0	259	0.946	24.03	870.12	1294.94	7.57	3008I	N/A
MHJ25T427	200C	15000V	250 MCM	427	1.081	27.46	1066.82	1587.68	8.65	3008I	N/A
MHJ35T427	200C	15000V	350 MCM	427	1.191	30.25	1404.51	2090.24	9.53	3008I	N/A

Standard conductor: Tinned Copper or Nickel Plated Copper (2%) as designated

All dimensions listed above are nominal. Consult factory for alternate conductor and stranding options

Check the Website (www.radix-wire.com) or contact Sales for additional cable configurations not listed.

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.

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