

## RATINGS / APPROVALS

180°C / 200°C - 1.1KVAC UL Style 3640/3907

180°C / 200°C - 3.3KVAC UL Style 3641/3908

180°C / 200°C - 6.9KVAC UL Style 3642/3909

180°C / 200°C - 13.8KVAC UL Style 3643/3910

IEC 60331, IEC 60332-1-2-3, IEC 60754-1, IEC 60754-2, IEC 61034, IEC 60332-3

RoHS Compliant

## CONSTRUCTION

### Conductors

12AWG – 4/0 AWG

Stranded tinned copper

Class H stranding

(Optional mm<sup>2</sup> conductors available)

### Insulating System

Silicone Rubber

### Outer Covering

Treated synthetic yarn braid with high temperature finish

### Standard Color Coding

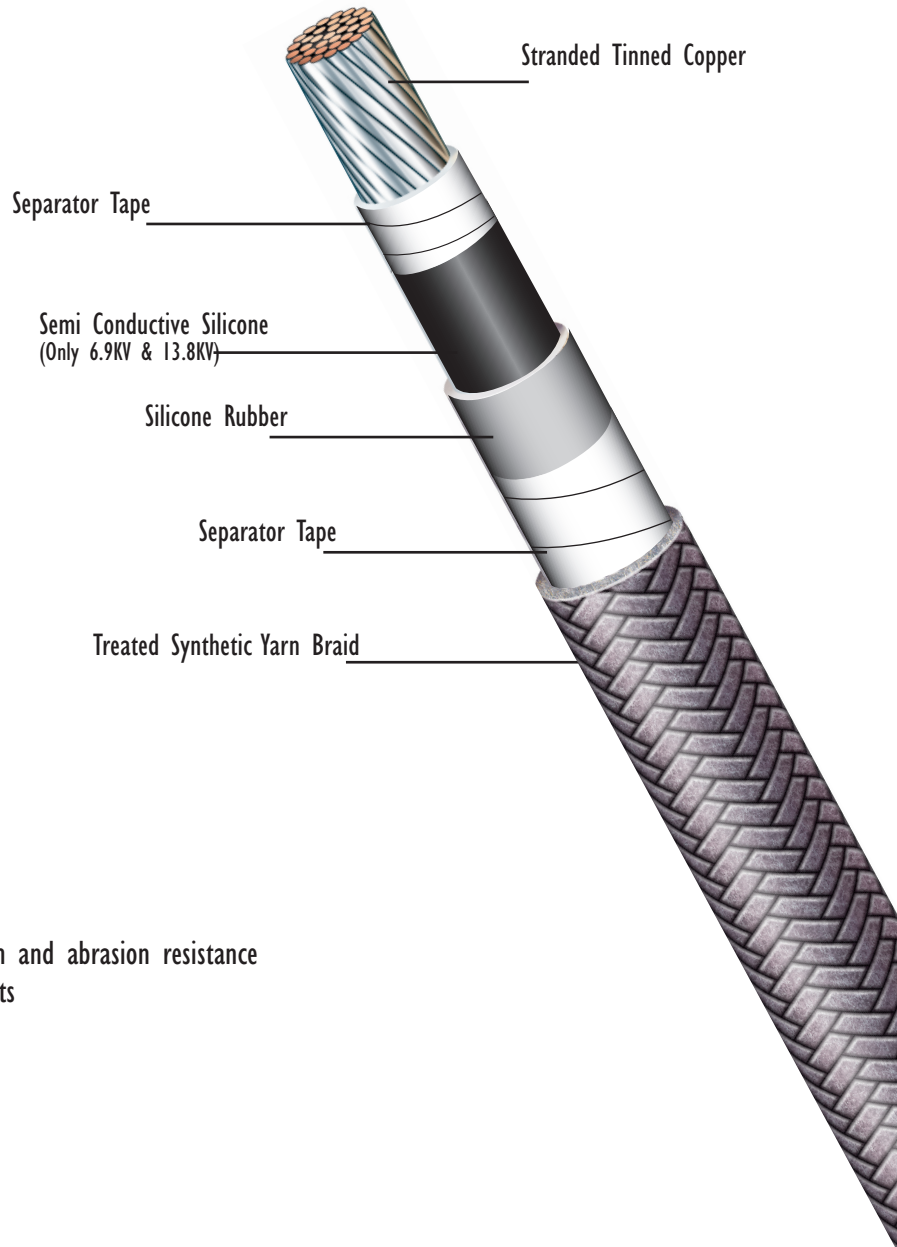
- 1.1 KVAC - Yellow
- 3.3 KVAC - Red
- 6.9 KVAC - Gray
- 13.8 KVAC - Black

## CHARACTERISTICS

- Outstanding flexibility
- Excellent mechanical strength with superior cut through and abrasion resistance
- Reduced diameter compared to NEMA high volt products
- Operating temperature from -60°C to 200°C
- Low smoke / Zero Halogen
- Suitable for varnish dip and bake applications

## APPLICATIONS

Transformers, Motors, Generators, Panels



**Radix™**

Radix Wire

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# SPECIFICATIONS

## SilaVolt 180C/200C/1.1KV

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL
JOM04T133	4	133	.397	10.08	175.06	260.53	3640/3907
JOM02T377	2	259	.464	11.78	262.18	390.18	3640/3907
JOMX1T377	1/0	259	.569	14.45	407.42	606.33	3640/3907
JOMX2T377	2/0	259	.622	15.79	502.22	747.42	3640/3907
JOMX3T377	3/0	259	.682	17.32	620.84	923.96	3640/3907
JOMX4T377	4/0	259	.749	19.02	769.32	1144.93	3640/3907

## SilaVolt 180C/200C/3.3KV

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL
JPM04T133	4	133	.437	11.10	185.41	281.88	3641/3908
JPM02T377	2	259	.504	12.80	278.97	415.17	3641/3908
JPMX1T377	1/0	259	.589	14.96	418.00	622.08	3641/3908
JPMX2T377	2/0	259	.642	16.31	513.75	764.58	3641/3908
JPMX3T377	3/0	259	.702	17.83	633.46	942.74	3641/3908
JPMX4T377	4/0	259	.769	19.53	783.16	1165.53	3641/3908

## SilaVolt 180C/200C/6.9KV

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL
JQM04T133	4	133	.469	11.91	155.58	231.54	3642/3909
JQM02T377	2	259	.536	13.61	238.25	354.57	3642/3909
JQMX1T377	1/0	259	.621	15.77	434.50	646.64	3642/3909
JQMX2T377	2/0	259	.674	17.12	531.66	791.23	3642/3909
JQMX3T377	3/0	259	.734	18.64	652.05	970.40	3642/3909
JQMX4T377	4/0	259	.801	20.34	804.42	1197.16	3642/3909

## SilaVolt 180C/200C/13.8KV

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL
JRM06T084	6	84	.522	13.26	188.56	280.62	3643/3910
JRM04T133	4	133	.571	14.50	251.19	373.83	3643/3910
JRM02T377	2	259	.638	16.20	348.77	518.98	3643/3910
JRMX1T377	1/0	259	.723	18.36	496.93	739.55	3643/3910
JRMX2T377	2/0	259	.776	19.71	598.99	891.44	3643/3910
JRMX3T377	3/0	259	.836	21.23	725.81	1080.11	3643/3910
JRMX4T377	4/0	259	.903	22.93	883.46	1314.79	3643/3910

Standard conductor: Tinned Copper

Consult factory for alternate conductor and stranding options.

All dimensions listed above are nominal.

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 is not responsible for any claim traceable to such error.

Conductor Area mm <sup>2</sup>	Standard Metric Size	AWG Value
107.20	-	4/0
95.00	95	-
85.00	-	3/0
70.00	70	-
67.50	-	2/0
53.40	-	1/0
50.00	50	-
42.40	-	1
35.00	35	-
34.00	-	2
26.70	-	3
25.00	25	-
21.20	-	4
16.80	-	5
16.00	16	-
13.30	-	6
10.60	-	7
10.00	10.0	-
8.35	-	8
6.62	-	9
6.00	6.0	-
5.27	-	10
4.15	-	11
4.00	4.0	-
3.31	-	12
2.63	-	13
2.50	2.5	-
2.08	-	14
1.85	-	15
1.50	1.5	-
1.31	-	16
1.00	1.0	-
0.82	-	18



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