



# STILL USING THAT OLD **IRRITATING** FIBERGLASS BRAID?

Are your operators complaining of irritating and itchy braided fiberglass motor lead wire? With more and more manufacturers moving away from old fiberglass braided silicone, why haven't you made the switch?

**Super J Motor Lead Wire** provides many benefits over braided products:

- Overall cost reduction
- Compatible with aggressive varnishes, like PD George, that eliminates cracking and tearing failures
- Eliminates braid fray and braid pushback which can cause costly rework

**Contact a Radix Sales Specialist today to make the switch**



**Radix**<sup>TM</sup>



## RATINGS/APPROVALS

150/200°C - 1KV - UL 3644 / CSA AWM I A/B FT2  
150/200°C - 3KV / 5KV / 8KV / 15KV - Factory Rated

## RATINGS/APPROVALS

- Flame retardant - 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.

## INDUSTRY LEADING ABRASION RESISTANCE

Super J is up to 7X more abrasion resistant than the competitor's "Tough Silicone" and a dramatic improvement over standard silicone products.

Sample	Initial Wall (mil)	Final Wall (mil)	% Loss
Competitor "Tough Silicone"	115	70.99	37.40%
Radix Super J	80	75.68	5.40%
Standard Silicone	80	31.52	60.60%

Note: Abrasion results are based on exposure to medium grit surface roughness for 600 strokes at 20 inches/strokes over a 24 minute test period

## TEAR STRENGTH

	Super J	SAB	Comp.A	Super J	SAB	Comp.A
	Machine Direction			Transverse Direction		
<b>Force (lbs)</b>	7.09	.95	3.01	9.02	1.48	2.16
<b>Tear Strength (lb/in)</b>	83.37	10.81	26.62	106.08	16.68	19.11

- Tear Strength relates to the likelihood of a defect (a nick in the insulation) propagating into a tear during flexing or crushing.
- One expects higher tear strength in transverse direction vs. machine direction due to molecular orientation during extrusion.
- The competitor sample is higher than SAB but much lower than Super J.



## CONSTRUCTION

### Conductors

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

### Insulating System

Super J Extruded Silicone Rubber

### Standard Color: Gray

Also available in colors and stripes

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