

RATINGS / APPROVALS

200°C – 600 Volts

Passes NEMA WC 3 Flame Propagation Test

Passes IEEE-383 Vertical Cable Tray Flame Test

RoHS Compliant

CONSTRUCTION

Conductors

22 AWG – 2 AWG

Annealed tinned copper

Insulating System

Extruded silicone rubber with fiberglass braid cover over each insulated conductor. Braid treated with a moisture, heat and flame resistant finish for K-2 color coding (**Unless specified**) and abrasion resistance.

Overall Binder Tapes

Polyester

Outer Covering

Extruded silicone rubber.

(Optional) wire braid armor of stainless steel or other suitable material.

Standard Color

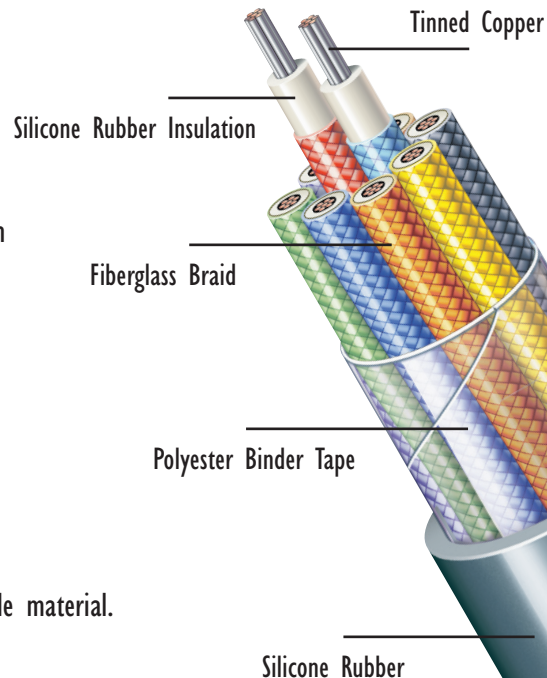
Black (Colors available)

CHARACTERISTICS

- Silicone formulations suitable for UV, ozone, moisture exposure.
- Fillers, where needed, are made with flame-impervious fibers with moisture-repellent finish.
- Cable utilizes Radix “Torque Free” design. This eliminates memory found in traditional right-hand or left-hand twisted cables.
- Binder tape is non-hydroscopic, non-wicking polyester.
- Suitable for applications to -60°C.
- Not recommended for outdoor use.

APPLICATION

SRG-S is constructed for use in high temperature applications as a multiple conductor control cable where flexibility and resistance to heat and flame are desired. This wire is used in robotic applications, as well as high temperature locations such as steel and glass plants and in power generating stations.



Radix™

Radix Wire

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SRG-S 200C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
KJI8AT02A	18	7	2	0.341	8.66	56.96	84.77
KJI8AT03A	18	7	3	0.359	9.12	70.26	104.56
KJI8AT04A	18	7	4	0.389	9.88	83.55	124.34
KJI8AT05A	18	7	5	0.426	10.82	102.12	151.98
KJI8AT06A	18	7	6	0.463	11.76	118.34	176.12
KJI6AT02A	16	7	2	0.366	9.30	69.01	102.70
KJI6AT03A	16	7	3	0.386	9.80	85.54	127.30
KJI6AT04A	16	7	4	0.420	10.67	103.37	153.84
KJI6AT05A	16	7	5	0.460	11.68	126.53	188.31
KJI6AT06A	16	7	6	0.500	12.70	147.34	219.28
KJI4AT02A	14	7	2	0.455	11.56	97.27	144.76
KJI4AT03A	14	7	3	0.482	12.24	128.98	191.95
KJI4AT04A	14	7	4	0.559	14.20	175.01	260.46
KJI4AT05A	14	7	5	0.613	15.57	212.18	315.77
KJI4AT06A	14	7	6	0.667	16.94	247.01	367.61
KJI2CT02A	12	19	2	0.491	12.47	124.17	184.79
KJI2CT03A	12	19	3	0.552	14.02	180.85	269.15
KJI2CT04A	12	19	4	0.601	15.27	220.41	328.02
KJI2CT05A	12	19	5	0.661	16.79	269.43	400.98
KJI2CT06A	12	19	6	0.720	18.29	313.76	466.95
KJI0CT02A	10	19	2	0.570	14.48	177.05	263.49
KJI0CT03A	10	19	3	0.603	15.32	233.44	347.41
KJI0CT04A	10	19	4	0.658	16.71	289.13	430.29
KJI0CT05A	10	19	5	0.724	18.39	354.43	527.48
KJI0CT06A	10	19	6	0.790	20.07	416.21	619.42

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.



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