

200C/600V

SAB-K
HIGH-TEMPERATURE CABLE

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

Composite extruded silicone rubber with intermediate fiberglass reinforcement (Sil-A-Blend®)

K-2 color code. (Unless specified)

Overall Binder Tapes

Polyester

Outer Covering

Braided aramid K-fiber with a moisture, heat and flame resistant finish.

Standard Color

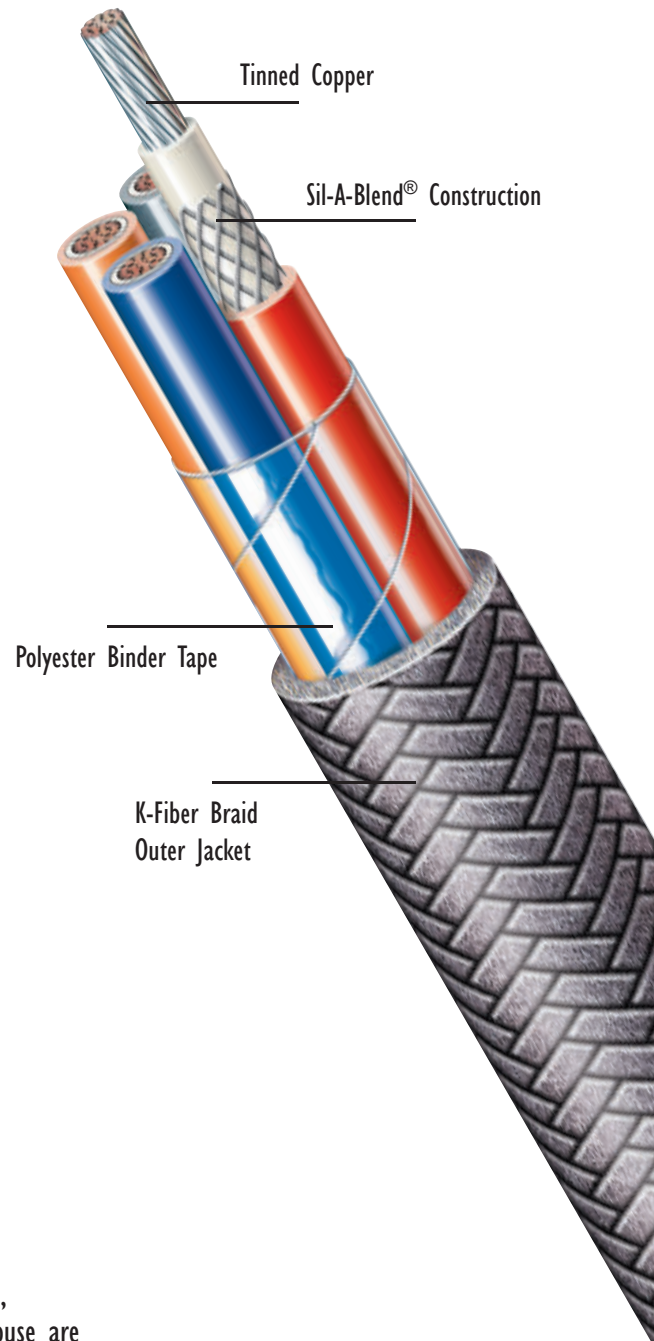
Black (Colors available)

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.
- Aramid K-fiber provides superior cut through and abrasion resistance.
- Not recommended for outdoor use.

APPLICATION

SAB-K is constructed for use in high temperature applications as a more flexible, multiple conductor control cable where resistance to abrasion and mechanical abuse are desired. This cable is used in steel and glass plants, as well as high temperature locations near boilers, steam lines and chemical processing plants. Use above grade in raceway, tray, or conduit.



Radix™

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SAB-K 200C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
NS18AT02G	18	7	2	0.294	7.47	36.47	54.28
NS18AT03G	18	7	3	0.312	7.92	46.99	69.93
NS18AT04G	18	7	4	0.341	8.66	56.75	84.46
NS18AT05G	18	7	5	0.375	9.53	71.41	106.27
NS18AT06G	18	7	6	0.411	10.44	83.74	124.62
NS16AT02G	16	7	2	0.316	8.03	45.00	66.97
NS16AT03G	16	7	3	0.335	8.51	59.48	88.52
NS16AT04G	16	7	4	0.367	9.32	73.23	108.98
NS16AT05G	16	7	5	0.406	10.31	91.91	136.78
NS16AT06G	16	7	6	0.461	11.71	113.42	168.80
NS14AT02G	14	7	2	0.343	8.71	58.86	87.60
NS14AT03G	14	7	3	0.364	9.25	78.13	116.28
NS14AT04G	14	7	4	0.399	10.13	97.91	145.71
NS14AT05G	14	7	5	0.458	11.63	127.81	190.21
NS14AT06G	14	7	6	0.508	12.90	153.35	228.22
NS12CT02G	12	19	2	0.377	9.58	78.40	116.68
NS12CT03G	12	19	3	0.401	10.19	108.12	160.91
NS12CT04G	12	19	4	0.457	11.61	141.25	210.21
NS12CT05G	12	19	5	0.512	13.00	178.50	265.65
NS12CT06G	12	19	6	0.572	14.53	215.56	320.80
NS10CT02G	10	19	2	0.506	12.85	131.23	195.30
NS10CT03G	10	19	3	0.547	13.89	185.44	275.98
NS10CT04G	10	19	4	0.604	15.34	235.37	350.29
NS10CT05G	10	19	5	0.651	16.54	285.20	424.45
NS10CT06G	10	19	6	0.719	18.26	340.03	506.05

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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