

SILICONE JACKETED, HI-LITE, and PENDANT CABLES

UL SILICONE JACKETED HIGH-TEMPERATURE CABLES

SILICONE JACKETED CABLE:

RATINGS / APPROVALS

150°C / 200°C - 600 Volts - UL Style 4389 / CSA AWM I A/B FT2

CONSTRUCTION

Stranded tinned copper (2 to 61 conductors) with braided silicone rubber insulation (braidless silicone rubber or Teflon® also available UL only) and extruded silicone rubber jacket.

HI-LITE CABLE:

RATINGS / APPROVALS

150°C - 300 Volts - UL Style 3522

200°C - 300 Volts - UL Style 4291 / CSA AWM I/II A/B FT2

CONSTRUCTION

Stranded tinned copper (2 conductors 16 or 18 AWG) with braided silicone rubber insulation and extruded silicone rubber jacket. Options for UL 4291:

- Twisted Kevlar, Aramid or polyester strength member laid parallel
- Insulated or uninsulated ground lead

PENDANT CABLE:

RATINGS / APPROVALS

150°C - 300 Volts - UL Style 4403

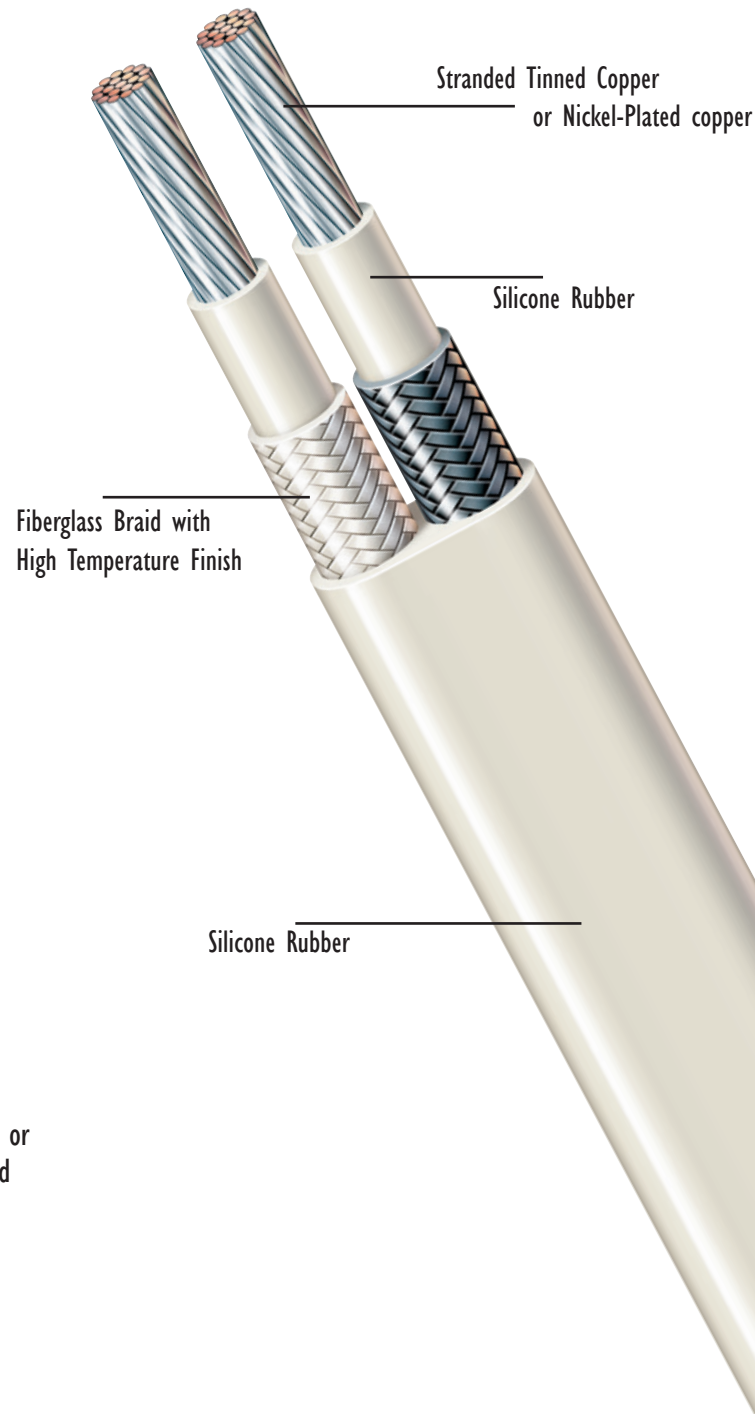
200°C - 600 Volts - UL Style 4452

CONSTRUCTION

Stranded tinned copper (2 conductors 16 or 18 AWG) with braided silicone rubber insulation and extruded silicone rubber jacket. Twisted Kevlar, Aramid or polyester strength member required. Optional Insulated or uninsulated ground lead.

CHARACTERISTICS FOR ABOVE CABLES

- Silicone formulations suitable for UV, ozone, moisture exposure.
- Not suited for immersed applications.
- Suitable for applications to -60°C
- Silicone Rubber in extreme environments, exceeding 200°C, leaves a non-conductive ash and retains excellent insulation properties.
- Flexible



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UL SILICONE JACKETED

HIGH-TEMPERATURE CABLES

SPECIFICATIONS

SILICONE JACKETED CABLE 200C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min Bend Radius (in)	UL	CSA 180C
KKI4AT03A-0000-A5K20 (1)	14	7	0.384	9.75	96	142.45	3.07	4389	AWM I A/B FT2
KKI6AT03A-0000-A5K20 (1)	16	7	0.356	9.04	77	114.15	2.85	4389	AWM I A/B FT2
KKI8AT03A-0000-A5K20 (1)	18	7	0.328	8.33	63	93.94	2.62	4389	AWM I A/B FT2
KJI4AT03A-0000-A5K20 (2)	14	7	0.486	12.34	106	134.93	3.89	4389	AWM I A/B FT2
KJI6AT03A-0000-A5K20 (2)	16	7	0.389	9.88	88	130.91	3.11	4389	AWM I A/B FT2
KJI8AT03A-0000-A5K20 (2)	18	7	0.363	9.22	74	109.52	2.90	4389	AWM I A/B FT2
KKI4AT03A-CL01-A5K20 (3)	14	7	0.318	8.08	79	117.21	2.54	4389	AWM I A/B FT2
KKI6AT03A-CL01-A5K20 (3)	16	7	0.285	7.24	59	87.18	2.28	4389	AWM I A/B FT2
KKI8AT03A-CL01-A5K20 (3)	18	7	0.258	6.55	46	68.07	2.06	4389	AWM I A/B FT2

HI-LITE CABLE 150C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min Bend Radius (in)	UL	CSA 180C
CMBI8BI68	18	168	0.268	6.81	37	54.90	2.14	3522	N/A
CNBI8BI68	18	168	0.164 x 0.266	4.17 x 6.76	46	43.97	2.13	3522	N/A

HI-LITE CABLE 200C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min Bend Radius (in)	UL	CSA 180C
CPBI8T007	18	7	0.158 x 0.254	4.01 x 6.45	28	43.01	2.03	4291	AWM I/II A/B FT2

PENDANT CABLE 150C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt (lbs/Mft)	Wgt (kg/km)	Min Bend Radius (in)	UL	CSA 180C
CSBI8BI68	18	168	0.268	6.81	37	55.91	2.14	4403	N/A

Standard conductor: Bare Copper (150C) and Tinned Copper (200C)

Consult factory for alternative conductor and stranding options.

All dimensions listed above are nominal

Compliance: UL Listed File No. E22244. CSA Certified File No. LL13427 or LL80670

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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WIRE & CABLE
EST. 1944

Radix Wire & Cable
26000 Lakeland Boulevard, Euclid, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com