

HEATING CABLE & INSULATION



BriskHeat®

HEATING CABLE AND INSULATION

Introduction to Heating Cable and Insulation Solutions

Complete Electric Heat-Tracing Systems including:

- ▶ Heating Cable
- ▶ Power Connection Kits
- ▶ Monitoring Lights
- ▶ Insulation
- ▶ Temperature Control



Self-Regulating Heating Cable

- ▶ Automatically adjusts heat output based on surface temperature
- ▶ Ideal for freeze protection and low temperature maintenance applications
- ▶ Safe to overlap
- ▶ Temperatures up to 250 °F (121 °C)

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1-4



SpeedTrace (Pre-terminated with plug)



Roof and Gutter Kits



Cut-to-Length Self-Regulating Heating Cable



Wide range of Power Connection and Monitoring Light Kits

Constant-Wattage Heating Cable

- ▶ Ideal for process temperature applications where a specific temperature is required: power remains constant regardless of ambient temperature
- ▶ Temperatures up to 500 °F (260 °C)



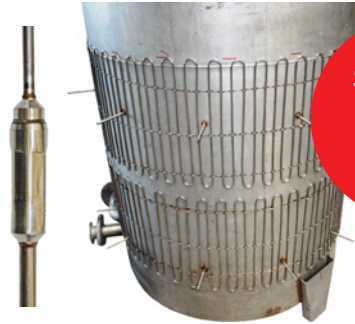
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HEATING CABLE AND INSULATION

Introduction to Heating Cable and Insulation Solutions

Mineral Insulated (MI) Heating Cable

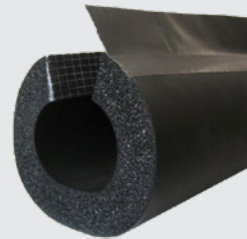
- ▶ High temperature capabilities up to 1832° F (1000° C)
- ▶ Metal sheath is highly corrosion resistant
- ▶ Custom-made to your exact requirements



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INSUL-LOCK® DS Closed Cell Pipe Insulation

- ▶ Economical insulating solution for a wide variety of pipe applications
- ▶ Compatible with heating cable and tapes



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on page
1-38

Silver-Series Removable Cloth Insulators

- ▶ Removable and reusable – Easy-to-install and reuse
- ▶ Configurable system for a wide range of pipe and tank systems
- ▶ Thermally-efficient fiberglass insulation – 1 in (25 mm) thick



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Temperature Controls

- ▶ Wide range of temperature controls to fit your application
- ▶ Single zone, multi-zone, outdoor-rated, and hazardous-area rated options



Starting
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8-1

SELF-REGULATING HEATING CABLE

Introduction to Self-Regulating Heating Cable

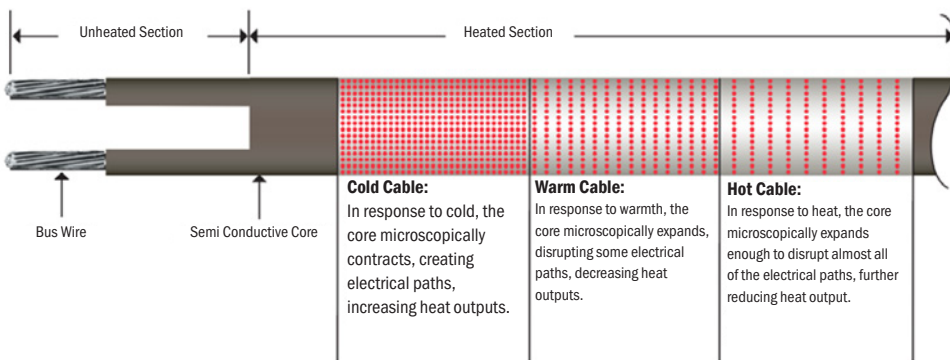
- ▶ **Automatically adjusts heat output based upon surface temperature**
- ▶ **Can be safely overlapped and insulated**
- ▶ **Ideal for long runs**
- ▶ **Can be cut-to-length at job site**
- ▶ **Temperatures up to 250 °F (121 °C)**
- ▶ **Meets UL Subject 1588 and IEEE-515.1**
- ▶ **Wide range of applications**
 - Pipe tracing
 - Vessel tracing
 - Freeze protection
 - Viscosity control
 - Low temperature process maintenance
 - Roof and gutter
 - Ordinary locations
 - Hazardous locations



**Maintenance
Temperatures
Up to
250 ° F (121 ° C)**



How Self-Regulating Heating Cable Works



See page 1-5 for SpeedTrace and SpeedTrace Extreme Pre-Assembled Self-Regulating Heating Cable

The semi-conductive core material contains a graphite network, which allows electricity to flow from one bus wire to the other. When the core is dense and colder, there are many paths for electricity to take through the graphite network, producing more heat.

Since the core material expands as it heats, the graphite network is elongated, disrupting some of the paths. More and more paths are disrupted as heating continues until the system reaches self-controlled thermal

stability. When the core material cools, it contracts, reconnecting some of the electrical paths in the graphite network, and more equivalent heat is produced.

This temperature response occurs independently at each point along the heater. If an externally produced high temperature occurs next to a low temperature in the cable, each section of heating cable will adjust its own heat output in relation to its own local requirements.

SELF-REGULATING HEATING CABLE

**SpeedTrace & SpeedTrace Extreme
Pre-Assembled Self-Regulating Heating Cable**

(FFSL | FFSL8 | FFSLE Series)

- ▶ Ideal for freeze protection and thawing: metal or plastic pipes and valves
- ▶ Easy-to-install: pre-assembled with choice of plug
- ▶ Safe to overlap and insulate
- ▶ Automatically adjusts heat output based on surface and ambient temperature
- ▶ Suitable for temperatures down to: -40 °F (-40 °C)
- ▶ Outdoor and indoor use

Specifications:

Supply voltage: 110-120 VAC; 208-277 VAC

Wattage at 50 °F (10 °C):

- SpeedTrace: 5 watts/ft (16 watts/m)
- SpeedTrace Extreme: 8 watts/ft (26 watts/m)
- SpeedTraceCE: 5 watts/ft (17 watts/m)

Maximum exposure temperature: 150 °F (65 °C)

Outer jacket material: Moisture and flame resistant thermoplastic elastomer

Bus wire gauge: 16 AWG

Power cord:

- 110-120 VAC: 6 ft (1.8 m) long with 3-prong grounded NEMA 5-15P plug
- 208-277 VAC (SpeedTrace & SpeedTrace Extreme): 2.5 ft (0.76 m) long with bare wire leads
- 230 VAC (SpeedTraceCE): 2.5 ft (0.76 m) long with Schuko (CEE 7/7) plug



New and Improved power-indicating light let's you know heater is working



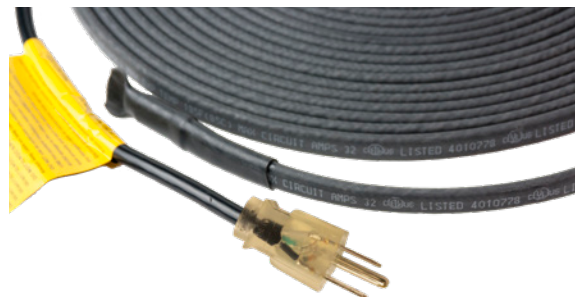
SpeedTrace &
SpeedTrace Extreme
Series



SpeedTraceCE
series

HEAT

PIPES • VESSELS • ROOF & GUTTER



SELF-REGULATING HEATING CABLE

Ordering Information:

SpeedTrace
5 watts/ft @ 50°F
(16 watts/m @ 10°C)

Length ft (m)	Part Number 110-120 V	Part Number 208-277 V
6 (1.8)	FFSL1-6	FFSL2-6
12 (3.7)	FFSL1-12	FFSL2-12
18 (5.5)	FFSL1-18	FFSL2-18
24 (7.3)	FFSL1-24	FFSL2-24
37 (11.2)	FFSL1-37	FFSL2-37
50 (15.2)	FFSL1-50	FFSL2-50
62 (18.8)	FFSL1-62	FFSL2-62
75 (22.8)	FFSL1-75	FFSL2-75
87 (26.5)	FFSL1-87	FFSL2-87
100 (30.5)	FFSL1-100	FFSL2-100
125 (38.1)	FFSL1-125	FFSL2-125
150 (45.7)	FFSL1-150	FFSL2-150

SpeedTrace Extreme
8 watts/ft @ 50°F
(26 watts/m @ 10°C)

**60%
MORE
WATTAGE**

Length ft (m)	Part Number 110-120 V	Part Number 208-277 V
6 (1.8)	FFSL81-6	FFSL82-6
12 (3.7)	FFSL81-12	FFSL82-12
18 (5.5)	FFSL81-18	FFSL82-18
24 (7.3)	FFSL81-24	FFSL82-24
50 (15.2)	FFSL81-50	FFSL82-50
75 (22.8)	FFSL81-75	FFSL82-75
100 (30.5)	FFSL81-100	FFSL82-100

SpeedTraceCE
5 watts/ft @ 50°F
(17 watts/m @ 10°C)

NEW!

Length ft (m)	Part Number 230 V
6.5 (2)	FFSLE2-2M
13.1 (4)	FFSLE2-4M
26.2 (8)	FFSLE2-8M
41.0 (16)	FFSLE2-16M



120 VAC SpeedTrace & SpeedTrace Extreme
with 3-prong NEMA 5-15 plug
(208-277 VAC includes bare wire leads)



SpeedTraceCE series with
2-prong Schuko (CEE 7/7) plug



Safe to overlap & insulate

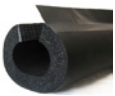
Secure the unit with adhesive tape, wrap with insulation, and plug it in.

Heating Cable

Adhesive Tape

Accessories:

INSUL-LOCK® DS Foam Insulation



Easy insulation for residential and commercial pipe and tube

- Easy-to-install pre-formed foam with adhesive flap
- Moisture resistant foam is suitable for indoor/outdoor applications
- Compatible for use with SpeedTrace and self-regulating heating cables
- 1/2 in (13 mm) wall thickness; R-value 3.0

See **page 1-38** for ordering information

SpeedTrace Roof & Gutter Kits



- Complete kit for installing roof & gutter heating
- Kit Includes: SpeedTrace Heating Cable, Downspout Hanger Brackets, Roof Clips, UV Resistant Cable Ties, Caution Labels
- Professional-grade heating cable for residential and commercial roofing

See **page 1-6** for ordering information

Thermo-Cube Thermostatically Controlled Outlet (PN: THERMO-CUBE)



Power-saving ambient temperature sensing outlet

- Turns on when air temperature drops below 35°F (2°C)
- Turns off when air temperature exceeds 45°F (7°C)
- Saves energy/money and extends the life of the heater
- Suitable for indoor/outdoor use
- Compatible with 120 V NEMA 5-15 outlets

Fiberglass Adhesive Tape (PN: PSAT36A)



Heat resistant tape for easy installation of heating cable

- Size: 0.5 in x 108 ft (13 mm x 38 m)
- Temperature Limit: 350°F (176°C)

SELF-REGULATING HEATING CABLE

SpeedTrace Roof & Gutter De-icing Kits

(FFRG Series)

- ▶ Durable, long lasting professional-grade self-regulating heating cable
- ▶ Suitable for residential, commercial, and industrial roofing applications
- ▶ Ideal for melting snow and de-icing roofs, gutters, and downspouts
- ▶ Easy-to-install: pre-assembled with choice of 3-prong grounded plug (NEMA 5-15P) or bare wire leads
- ▶ Kit includes: SpeedTrace heating cable, downspout hanger brackets, roof clips, and UV resistant ties

Specifications:

Supply Voltage: 110-120 VAC, 208-277 VAC

Nominal Wattage: 5 W/ft (16 W/m) at 50°F (10°C);
10 W/ft (33 W/m) at 32°F (0°C) in ice and snow

Minimum Exposure Temperature: -40°F (-40°C)

Maximum Exposure Temperature: 150°F (65°C)

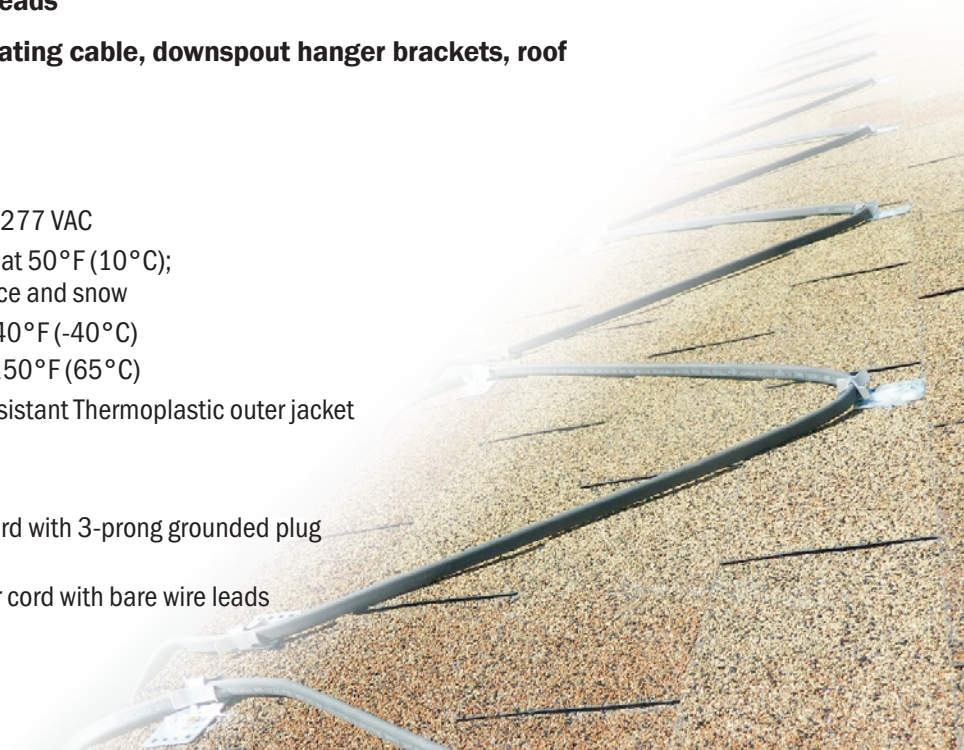
Outer Jacket: Moisture and flame resistant Thermoplastic outer jacket

Bus Wires: 16 AWG

Power Cord:

110 - 120 VAC: 6 ft (1.8 m) power cord with 3-prong grounded plug (NEMA 5-15P)

208 - 277 VAC: 2.5 ft (0.76 m) power cord with bare wire leads



Complete kit includes everything you need!



SELF-REGULATING HEATING CABLE

SpeedTrace Roof & Gutter De-icing Kits

(FFRG Series)

Installation Requirements:

Suitable For:

- Standard pitched roofs with or without gutters
- Standard roofing materials including shingle, shake, rubber, tar, wood, metal and plastic roofs
- Gutters & downspouts made from standard materials including metal and plastic

Not Suitable For:

- Flat, slate, stone, ceramic, composite tar/gravel roofs

Electrical Requirements:

- GFCI protected circuit, local code approved outlet (power source) within close proximity to the heating cable starting point, and protected from the weather



Measuring Heating Cable Length for Roof & Gutter De-icing:

Use the equation below to calculate heating cable length:

Cable Required for Roof = (R x M) + G + D

(R) Roof Edge Length (linear length of roof to protect)

(M) Multiplier from table to the right

(G) Gutter Length

(D) Downspout Length (X2 if heating cable returns back to gutter)

Heating Cable Kit Length Required [Round up to the nearest kit size]

M = Length of cable per foot (meter) of roof edge

Roof Overhang [Eave/Soffit] in (mm)	Standard Roof [M] ft (m)	Standing Seam Roof 18 in (457 mm) Seam [M] ft (m)	Standing Seam Roof 24 in (610 mm) Seam [M] ft (m)
None	2.0 (0.61)	2.5 (0.76)	2.0 (0.61)
12 (305)	2.5 (0.85)	2.8 (0.85)	2.4 (0.73)
24 (610)	3.0 (0.91)	3.6 (1.10)	2.9 (0.88)
36 (914)	4.0 (1.21)	4.3 (1.31)	3.6 (1.10)

Ordering Information:

Roof and Gutter Kits:

Part No. 110 -120 VAC	Part No. 208 -277 VAC	Cable Length ft (m)	Roof Clips	Kit Includes	Downspout Hangers	Cable Ties	Caution Labels
FFRG15-50	FFRG25-50	50 (15.2)	30	2	15	2	
FFRG15-75	FFRG25-75	75 (22.8)	50	4	20	2	
FFRG15-100	FFRG25-100	100 (30.4)	60	4	25	2	
FFRG15-125	FFRG25-125	125 (38.1)	80	4	30	2	
FFRG15-150	FFRG25-150	150 (45.7)	100	6	40	2	



Additional items required, but not supplied: UV resistant RTV Sealant, Roofing Nails or Screws

Accessories:

Part Number	Description
THERMO-CUBE	Thermostatically Controlled Outlet 120VAC
SLCBL-RDOWN1	Aluminum Downspout Hanger Bracket
SLCBL-RCLIP10	Aluminum Roof Clips (10 pack)
SLCBL-RCLIP50	Aluminum Roof Clips (50 pack)
SLCBL-RCLIPMAG10	Magnetic Roof Clips (10 pack) — Ideal for metal roofs



Thermo-Cube Thermostatically Controlled Outlet

- Power-saving ambient temperature sensing outlet
- Turns on when air temperature drops below 35°F (2°C)
 - Turns off when air temperature exceeds 45°F (7°C)
 - Saves energy/money and extends the life of the heater
 - Suitable for indoor/outdoor use
 - Compatible with 120VAC NEMA 5-15 outlet

SELF-REGULATING HEATING CABLE

Self-Regulating Cut-to-Length Heating Cable Selection Guide



	SLCBL	SLMCBL	SLHCBL	SLCAB	SLMCAB
BriskHeat® Self-Regulating Heating Cable	Self-Regulating Heating Cable	Mid-Temperature Self-Regulating Heating Cable	High-Temperature Self-Regulating Heating Cable	Self-Regulating Heating Cable	Mid-Temperature Self-Regulating Heating Cable
Page	1-10	1-12	1-14	1-20	1-22
Maximum Continuous Maintenance Temperature	150°F (65°C)	230°F (110°C)	248°F (120°C)	150°F (65°C)	250°F (121°C)
Maximum Intermittent Exposure Temperature	185°F (85°C)	275°F (135°C)	392°F (200°C)	185°F (85°C)	366°F (185°C)
Available Input Voltages	110-120 VAC or 208-277 VAC	110-120 VAC or 208-277 VAC	110-120 VAC or 208-277 VAC	110-120 VAC or 208-277 VAC	110-120 VAC or 208-277 VAC
Available Wattages	3, 5, 8, 10, 12 W/ft (10, 16, 26, 33, 39 W/m)	5, 10, 15, 20 W/ft (16, 33, 49, 66 W/m)	5, 10, 15, 20 W/ft (16, 33, 49, 66 W/m)	3, 5, 8, 10 W/ft (10, 16, 26, 33 W/m)	5, 10, 15 W/ft (16, 33, 49 W/m)
Automatically Adjusts Heat Output Based on Surface Temperature	✓	✓	✓	✓	✓
Can be Safely Overlapped and Insulated	✓	✓	✓	✓	✓
Moisture, Chemical, and Flame Resistant	✓	✓	✓	✓	✓
Approvals					
Power Connection and Termination Kits	Starting at page 1-16	Starting at page 1-16	Starting at page 1-16	Starting at page 1-24	Starting at page 1-24

For best results, BriskHeat® Self-Regulating Heating Cable should be used with an appropriate temperature controller. See options starting at [page 8-1](#)

- Precise control
- Energy-efficiency and power savings
- Communication options



SELF-REGULATING HEATING CABLE

Self-Regulating Heating Cable (SLCBL Series)

- ▶ **Ideal for freeze protection, roof and gutter de-icing, snow melting systems, and low temperature process maintenance up to 150°F (65°C)**
- ▶ **Automatically adjusts heat output based on surface temperature**
- ▶ **Safe to overlap and insulate**
- ▶ **Can be cut-to-length and terminated in the field**
- ▶ **Moisture, chemical, and flame resistant**

Specifications:

Maximum Continuous Maintenance Temperature: 150°F (65°C)

Intermittent Exposure Temperature Range: -40°F to 185°F (-40°C to 85°C)

Nominal Power Output at 50°F (10°C): 3, 5, 8, 10, 12 W/ft (10, 16, 26, 33, 39 W/m)

Supply Voltages: 110-120 VAC or 208-277 VAC

Bus Wire Gauge: 16 AWG

Braid Resistance: Tinned copper 0.0055 ohms/ft (0.0182 ohms/m)

T-Rating:

T6: 3, 5, 8, 10 W/ft (10, 16, 26, 33 W/m)

T5: 12 W/ft (39 W/m)

Bend Radius: 0.5 in (12 mm)

NOTE: Electrical equipment T-Rating codes define the maximum surface temperature that equipment will reach. It is used in hazardous (classified) area applications.

Ordering Information:

Part Number Matrix

SLCBL	3	120	BP
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Watts/ft: 3, 5, 8, 10, 12

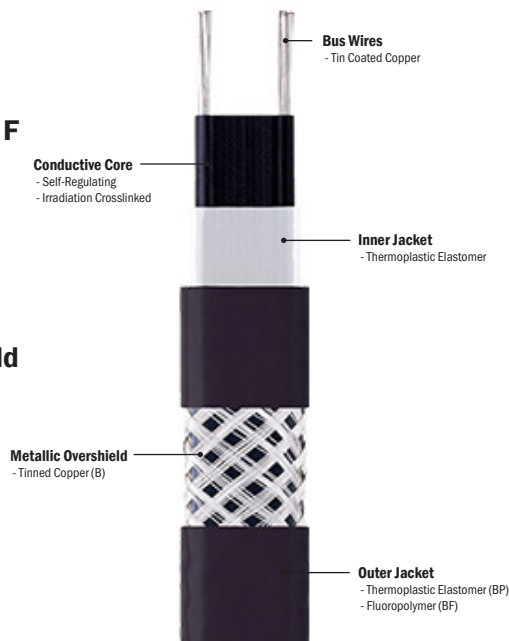
Voltage: 120- (110-120 V), 240- (208-277 V)

Outer Layer:

B- (Tinned Copper Metal Braid)

BP- (Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket)

BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)



Maintenance Temperatures Up to 149°F (65°C)



Moisture and Chemical Resistant



Ordinary Locations
-B, -BP Series Only

Embedded de-icing and snow melting systems
-BP Series only

Roof and gutter de-icing and snow melting systems
-BP Series only



Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups E, F, G
Class III



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Complete Your System with:

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SELF-REGULATING HEATING CABLE

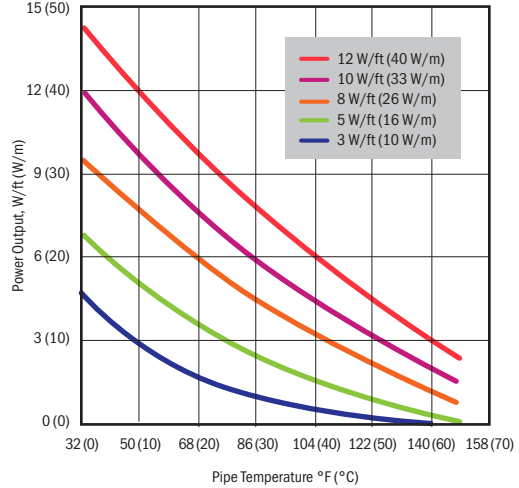
**Self-Regulating Heating Cable
(SLCBL Series)**

Maximum Circuit Length in ft (m)

Heating Cable	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
SLCBL3120	10 amp	240 (73)	200 (61)	140 (43)	115 (35)
	15 amp	320 (98)	300 (91)	220 (67)	190 (58)
	20 amp	330 (101)	320 (98)	265 (81)	225 (69)
	30 amp	330 (101)	320 (98)	280 (85)	265 (81)
	40 amp	330 (101)	320 (98)	280 (85)	265 (81)
SLCBL3240	10 amp	485 (148)	396 (121)	275 (84)	232 (71)
	15 amp	643 (196)	606 (185)	436 (133)	377 (115)
	20 amp	660 (201)	643 (196)	530 (162)	449 (137)
	30 amp	660 (201)	643 (196)	557 (170)	530 (162)
	40 amp	660 (201)	643 (196)	557 (170)	530 (162)
SLCBL5120	10 amp	162 (49)	135 (41)	105 (32)	80 (24)
	15 amp	249 (76)	215 (66)	170 (52)	127 (39)
	20 amp	265 (81)	252 (77)	215 (66)	164 (50)
	30 amp	265 (81)	252 (77)	240 (73)	200 (61)
	40 amp	265 (81)	252 (77)	240 (73)	200 (61)
SLCBL5240	10 amp	324 (99)	269 (82)	209 (64)	160 (49)
	15 amp	498 (152)	429 (131)	337 (103)	255 (78)
	20 amp	530 (162)	505 (154)	433 (132)	328 (100)
	30 amp	530 (162)	505 (154)	480 (146)	400 (122)
	40 amp	530 (162)	505 (154)	480 (146)	400 (122)
SLCBL8120	10 amp	123 (38)	100 (31)	54 (17)	52 (16)
	15 amp	177 (54)	145 (44)	90 (27)	82 (25)
	20 amp	200 (61)	180 (55)	115 (35)	103 (31)
	30 amp	210 (64)	180 (55)	175 (53)	135 (41)
	40 amp	210 (64)	180 (55)	175 (53)	160 (49)
SLCBL8240	10 amp	246 (75)	203 (62)	108 (33)	104 (32)
	15 amp	354 (108)	291 (89)	183 (56)	164 (50)
	20 amp	406 (124)	360 (110)	229 (70)	206 (63)
	30 amp	420 (128)	360 (110)	350 (107)	275 (84)
	40 amp	420 (128)	360 (110)	350 (107)	320 (98)
SLCBL10120	10 amp	75 (23)	55 (17)	45 (14)	35 (11)
	15 amp	121 (37)	85 (26)	65 (20)	55 (17)
	20 amp	150 (46)	105 (32)	80 (24)	70 (21)
	30 amp	155 (47)	120 (37)	105 (32)	85 (26)
	40 amp	180 (55)	155 (47)	105 (32)	105 (32)
SLCBL10240	10 amp	147 (45)	111 (34)	85 (26)	68 (21)
	15 amp	242 (74)	177 (54)	131 (40)	114 (35)
	20 amp	295 (90)	216 (66)	164 (50)	141 (43)
	30 amp	315 (96)	246 (75)	215 (66)	170 (52)
	40 amp	360 (110)	315 (96)	215 (66)	215 (66)
SLCBL12120	10 amp	55 (17)	40 (12)	30 (9)	25 (8)
	15 amp	90 (27)	60 (18)	45 (14)	45 (14)
	20 amp	115 (35)	80 (24)	60 (18)	50 (15)
	30 amp	115 (35)	90 (27)	80 (24)	60 (18)
	40 amp	120 (37)	105 (32)	80 (24)	80 (24)
SLCBL12240	10 amp	111 (34)	78 (24)	59 (18)	49 (15)
	15 amp	183 (56)	124 (38)	91 (28)	85 (26)
	20 amp	229 (70)	160 (49)	124 (38)	98 (30)
	30 amp	229 (70)	180 (55)	158 (48)	120 (37)
	40 amp	240 (73)	210 (64)	158 (48)	158 (48)

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Heat Output — Watts/Ft (Watts/m)



Outer Layer Options:

Product Type	Description	Nominal Dimensions [thickness x width] in (mm)	Shipping Weight: 500 ft (152 m) spool lbs (kg)	Purpose
SLCBL-B	Tinned Copper Metal Braid	0.17 x 0.43 (4.4 x 11.0)	35 (16)	Dry Environments
SLCBL-BP	Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket	0.23 x 0.50 (6.0 x 12.6)	46 (21)	Wet or Weak Chemical Environments
SLCBL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.21 x 0.47 (5.4 x 12.0)	44 (20)	Wet or Harsh Chemical Environments

Voltage Adjustment Factors:

Watt/ft Output Adjustment Factor		
Product Type	208 VAC	277 VAC
SLCBL3240	0.82	1.13
SLCBL5240	0.85	1.12
SLCBL8240	0.89	1.08
SLCBL10240	0.89	1.08
SLCBL12240	0.89	1.08

Max Circuit Length Adjustment Factor		
Product Type	208 VAC	277 VAC
SLCBL3240	0.96	1.08
SLCBL5240	0.94	1.09
SLCBL8240	0.92	1.11
SLCBL10240	0.92	1.11
SLCBL12240	0.92	1.11

SELF-REGULATING HEATING CABLE

Mid-Temperature Self-Regulating Heating Cable (SLMCBL Series)

- ▶ **Ideal for freeze protection and mid temperature process maintenance up to 230 °F (110 °C)**
- ▶ **Automatically adjusts heat output based on surface temperature**
- ▶ **Safe to overlap and insulate**
- ▶ **Can be cut-to-length and terminated in the field**
- ▶ **Moisture, chemical, and flame resistant**

Specifications:

Maximum Continuous Maintenance Temperature: 230°F (110°C)

Intermittent Exposure Temperature Range: -22°F to 275°F (-30°C to 135°C)

Nominal Power Output at 50°F (10°C): 5, 10, 15, 20 W/ft, (16, 33, 49, 66 W/m)

Supply Voltages: 110-120 VAC or 208-277 VAC

Bus Wire Gauge: 16 AWG

Braid Resistance: Tinned copper 0.0055 ohms/ft (0.0182 ohms/m)

Bend Radius: 0.5 in (12 mm)



Moisture and Chemical Resistant



Temperatures Up to 230 °F (110 °C)



Ordering Information:

Part Number Matrix

SLMCBL	5	120	BP
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Watts/ft: 5, 10, 15, 20

Voltage: 120- (110-120 V), 240- (208-277 V)

Outer Layer:
 B- (Tinned Copper Metal Braid)
 BP- (Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket)
 BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Complete Your System with:

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SELF-REGULATING HEATING CABLE

Mid-Temperature Self-Regulating Heating Cable

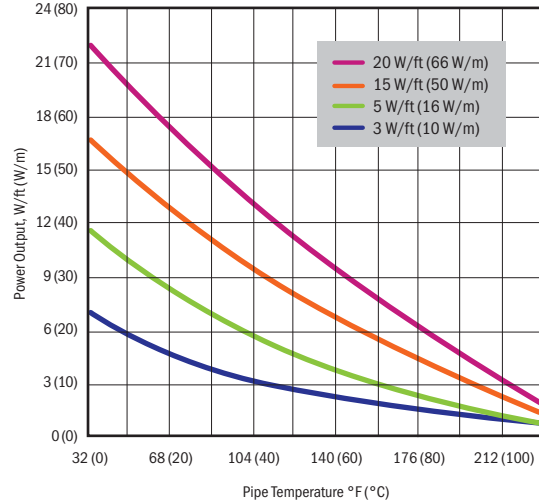
(SLMCBL Series)

Maximum Circuit Length in ft (m)

Heating Cable	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
SLMCBL5120	10 amp	110 (34)	80 (24)	-	-
	15 amp	133 (41)	105 (32)	98 (30)	90 (27)
	20 amp	195 (59)	160 (49)	148 (45)	138 (42)
	30 amp	210 (64)	195 (59)	170 (52)	165 (50)
	40 amp	210 (64)	195 (59)	183 (56)	180 (55)
SLMCBL5240	10 amp	220 (67)	160 (49)	145 (44)	135 (41)
	15 amp	265 (81)	210 (64)	195 (59)	180 (55)
	20 amp	390 (119)	320 (98)	295 (90)	275 (84)
	30 amp	420 (128)	390 (119)	365 (111)	360 (110)
SLMCBL10120	10 amp	75 (23)	73 (22)	-	-
	15 amp	100 (31)	95 (29)	80 (24)	70 (21)
	20 amp	133 (41)	148 (45)	125 (38)	100 (31)
	30 amp	174 (53)	180 (55)	156 (48)	130 (40)
	40 amp	174 (53)	175 (53)	156 (48)	140 (43)
SLMCBL10240	10 amp	150 (46)	145 (44)	121 (37)	114 (35)
	15 amp	200 (61)	190 (58)	160 (49)	140 (43)
	20 amp	265 (81)	295 (90)	249 (76)	200 (61)
	30 amp	347 (106)	360 (110)	311 (95)	280 (85)
SLMCBL15120	10 amp	57 (17)	51 (16)	-	-
	15 amp	94 (29)	87 (27)	57 (17)	54 (17)
	20 amp	120 (37)	108 (33)	71 (22)	69 (21)
	30 amp	154 (47)	133 (41)	80 (24)	80 (24)
	40 amp	154 (47)	133 (41)	90 (27)	87 (27)
SLMCBL15240	10 amp	114 (35)	101 (31)	68 (21)	65 (20)
	15 amp	187 (57)	173 (53)	114 (35)	108 (33)
	20 amp	239 (73)	216 (66)	141 (43)	137 (42)
	30 amp	308 (94)	265 (81)	180 (55)	173 (53)
SLMCBL20120	10 amp	51 (16)	41 (13)	-	-
	15 amp	82 (25)	72 (22)	51 (16)	49 (15)
	20 amp	102 (31)	90 (27)	67 (20)	61 (19)
	30 amp	131 (40)	115 (35)	84 (26)	74 (23)
SLMCBL20240	10 amp	150 (46)	128 (39)	110 (34)	95 (29)
	15 amp	164 (50)	144 (44)	101 (31)	98 (30)
	20 amp	203 (62)	180 (55)	134 (41)	121 (37)
	30 amp	262 (80)	229 (70)	167 (51)	147 (45)
SLMCBL20240	10 amp	300 (91)	255 (78)	220 (67)	190 (58)

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Heat Output – Watts/Ft (Watts/m)



Outer Layer Options:

Product Type	Description	Nominal Dimensions [thickness x width] in (mm)	Shipping Weight: 500 ft (152 m) spool lbs (kg)	Purpose
SLMCBL-B	Tinned Copper Metal Braid	0.15 x 0.45 (3.8 x 11.4)	32 (15)	Dry Environments
SLMCBL-BP	Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket	0.23 x 0.54 (6.0 x 13.6)	37 (17)	Wet or Weak Chemical Environments
SLMCBL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.19 x 0.49 (4.8 x 12.4)	47 (21)	Wet or Harsh Chemical Environments

Voltage Adjustment Factors:

Product Type	Watt/ft Output Adjustment Factor	
	208 VAC	277 VAC
SLMCBL5240	0.84	1.20
SLMCBL10240	0.85	1.18
SLMCBL15240	0.91	1.09
SLMCBL20240	0.90	1.07

Product Type	Max Circuit Length Adjustment Factor	
	208 VAC	277 VAC
SLMCBL5240	0.95	1.04
SLMCBL10240	0.94	1.06
SLMCBL15240	0.91	1.10
SLMCBL20240	0.91	1.11

SELF-REGULATING HEATING CABLE

High-Temperature Self-Regulating Heating Cable (SLHCBL Series)

- ▶ **Ideal for freeze protection and high temperature process maintenance up to 248°F (120°C)**
- ▶ **Automatically adjusts heat output based on surface temperature**
- ▶ **Safe to overlap and insulate**
- ▶ **Can be cut-to-length and terminated in the field**
- ▶ **Moisture, chemical, and flame resistant**

Specifications:

Maximum Continuous Maintenance Temperature: 248°F (120°C)
Intermittent Exposure Temperature Range: -22°F to 392°F (-30°C to 200°C)
Nominal Power Output at 50°F (10°C): 5, 10, 15, 20 W/ft (15, 30, 45, 60 W/m)
Supply Voltages: 110-120 VAC or 208-277 VAC
Bus Wire Gauge: 16 AWG
Braid Resistance: Tinned copper 0.0055 ohms/ft (0.0182 ohms/m)
Bend Radius: 0.5 in (12 mm)



Ordering Information:

Part Number Matrix	SLHCBL	5	120	BF
Watts/ft: _____ 5, 10, 15, 20				
Voltage: _____ 120- (110-120 V), 240- (208-277 V)				
Outer Layer: _____ B- (Tinned Copper Metal Braid) BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)				







Moisture and Chemical Resistant



Maintenance Temperatures Up to 248°F (120°C)

Complete Your System with:

Component	Starting at Page
Power Connection/Termination Kits 	1-17
Monitor Light Kits 	1-16
Insulation 	1-38
Temperature Controls 	8-1

SELF-REGULATING HEATING CABLE

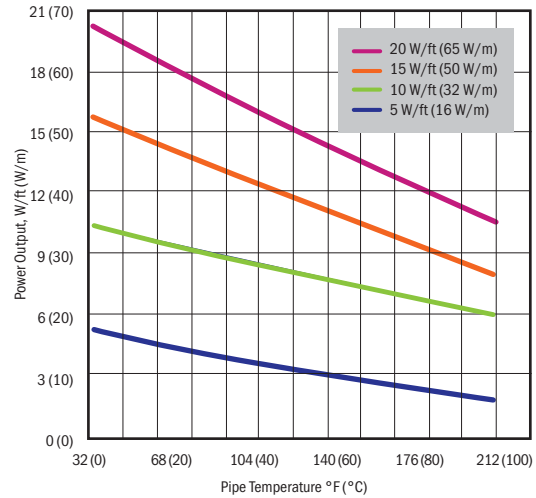
**High-Temperature Self-Regulating Heating Cable
(SLHCBL Series)**

Maximum Circuit Length in ft (m)

Heating Cable	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
SLHCBL5120	10 amp	120 (37)	110 (34)	105 (32)	90 (27)
	15 amp	180 (55)	175 (53)	158 (48)	143 (44)
	20 amp	240 (73)	215 (66)	190 (58)	180 (55)
	30 amp	259 (79)	245 (75)	240 (73)	225 (69)
	40 amp	266 (81)	255 (78)	250 (76)	240 (73)
SLHCBL5240	10 amp	240 (73)	220 (67)	210 (64)	180 (55)
	15 amp	360 (110)	350 (107)	315 (96)	285 (87)
	20 amp	479 (146)	430 (131)	380 (116)	360 (110)
	30 amp	518 (158)	490 (149)	480 (146)	450 (137)
	40 amp	531 (162)	510 (155)	500 (152)	480 (146)
SLHCBL10120	10 amp	73 (22)	69 (21)	65 (20)	58 (18)
	15 amp	118 (36)	110 (34)	98 (30)	88 (27)
	20 amp	148 (45)	140 (43)	130 (40)	118 (36)
	30 amp	220 (67)	200 (61)	182 (56)	175 (53)
	40 amp	255 (78)	240 (73)	220 (67)	230 (70)
SLHCBL10240	10 amp	146 (45)	138 (42)	130 (40)	116 (35)
	15 amp	236 (72)	220 (67)	195 (59)	175 (53)
	20 amp	295 (90)	280 (85)	260 (79)	235 (72)
	30 amp	440 (134)	400 (122)	364 (111)	350 (107)
	40 amp	510 (155)	480 (146)	440 (134)	460 (140)
SLHCBL15120	10 amp	50 (15)	47 (14)	42 (13)	40 (12)
	15 amp	75 (23)	65 (20)	63 (19)	60 (18)
	20 amp	100 (31)	90 (27)	83 (25)	80 (24)
	30 amp	143 (44)	135 (41)	125 (38)	120 (37)
	40 amp	190 (58)	175 (53)	168 (51)	160 (49)
SLHCBL15240	10 amp	100 (31)	93 (28)	83 (25)	80 (24)
	15 amp	150 (46)	130 (40)	125 (38)	120 (37)
	20 amp	200 (61)	180 (55)	165 (50)	160 (49)
	30 amp	285 (87)	270 (82)	250 (76)	240 (73)
	40 amp	380 (116)	350 (107)	335 (102)	320 (98)
SLHCBL20120	10 amp	39 (12)	33 (10)	34 (10)	32 (10)
	15 amp	58 (18)	55 (17)	50 (15)	48 (15)
	20 amp	75 (23)	71 (22)	68 (21)	63 (19)
	30 amp	115 (35)	105 (32)	100 (31)	95 (29)
	40 amp	153 (47)	143 (44)	133 (41)	125 (38)
SLHCBL20240	10 amp	77 (24)	70 (21)	67 (20)	63 (19)
	15 amp	115 (35)	110 (34)	100 (31)	95 (29)
	20 amp	150 (46)	142 (43)	135 (41)	125 (38)
	30 amp	230 (70)	210 (64)	200 (61)	190 (58)
	40 amp	306 (93)	286 (87)	265 (81)	250 (76)

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Heat Output — Watts/Ft (Watts/m)



Outer Layer Options:

Product Type	Description	Nominal Dimensions [thickness x width] in (mm)	Shipping Weight: 500 ft (152 m) spool lbs (kg)	Purpose
SLHCBL-B	Tinned Copper Metal Braid	0.15 x 0.45 (3.8 x 11.4)	38 (17)	Ordinary applications
SLHCBL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.19 x 0.49 (4.8 x 12.4)	47 (21)	For use in strong chemical environments (i.e. strong acids)

Voltage Adjustment Factors:

Watt/ft Output Adjustment Factor		
Product Type	208 VAC	277 VAC
SLHCBL5240	0.87	1.07
SLHCBL10240	0.88	1.08
SLHCBL15240	0.88	1.08
SLHCBL20240	0.86	1.07

Max Circuit Length Adjustment Factor		
Product Type	208 VAC	277 VAC
SLHCBL5240	0.99	1.08
SLHCBL10240	0.99	1.06
SLHCBL15240	0.98	1.06
SLHCBL20240	1.00	1.08

SELF-REGULATING HEATING CABLE

End of Circuit LED Monitor Light Kit

- ▶ **Super bright green LED light confirms at a glance your heat trace cable is energized**
- ▶ **Approved for ordinary and hazardous area locations**
- ▶ **Voltages up to 240VAC**

Benefits:

- Excellent visibility from all angles
- Easy-to-install — hot work permit not required for installation
- Easy re-entry for maintenance
- Compatible with up to 4 in (102 mm) of insulation and cladding

Specifications:

Maximum Voltage: 240 VAC

Maximum Current: 32 A

Lumen Output: 10 lumens

Construction: Non-conductive FRP plastic body

Overall Height: 8.2 in (208mm)

Maximum Continuous Exposure Temperature (T5): 212 °F (100 °C)

Ambient Exposure Temperature Range: -40 °F to 149 °F (-40 °C to 65 °C)

Ingress Protection Rating: IP66 / NEMA 4X



Ordinary Locations (with SLCBL, SLMCBL, and SLHCBL heating cables)
 Hazardous (Classified) Locations (with SLCBL heating cable only)
 Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups E, F, G
 Class III
 T5: 3,5,8 W/ft (10, 16, 26 W/m). T6: 10 W/ft (33 W/m)

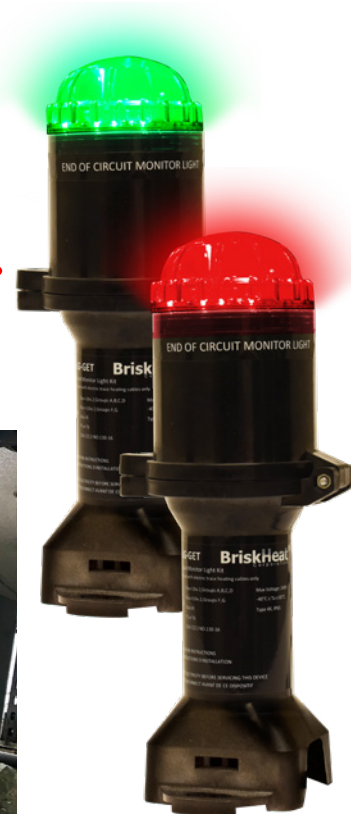
Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Ordering Information:

Part No.	Color	Compatible with	Enough to Complete	Kit Contents
JHE-LG-GET	Green	<ul style="list-style-type: none"> • SLCBL, SLMCBL, SLHCBL Heating Cable (CSA approved) 	One end of circuit LED monitor light end seal termination	<ul style="list-style-type: none"> • (1) End seal stand and light assembly with O-ring and grommet • (2) 16-14 insulated parallel splice crimp • (1) Silicone lead termination boot • (1) Rubber strain relief grommet • (1) Pipe strap — for 2 in to 6 in (51 mm to 152 mm) O.D. pipes • (1) End seal label
JHE-LR-GET	Red	<ul style="list-style-type: none"> • SLCAB, SLMCAB Heating Cable (Not CSA approved) 		

NEW!

Highly Visible Day or Night



Opens easily for light connection and maintenance



SELF-REGULATING HEATING CABLE

SLCBL, SLMCBL, SLHCBL Connection/Termination Kits

For use in Hazardous Area Locations with SLCBL cable only (CSA approved).

For use in non-hazardous area locations with SLCBL, SLMCBL, SLHCBL cable (non-CSA approved).



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

- Ordinary Locations
- Hazardous (Classified) Locations
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 2, Groups E, F, G
- Class III
- SLCBL -BP, -BF series only



PTBS-GET Power Connection Kit with Multiple Entry Junction Box

NEW!

Benefits

- Installing three heating cables in one junction box saves installation time and money
- Terminal strip secures each wire separately for safe and easy wiring
- Compression fitting tightly secures to a range of power cords – 0.39 to 0.67 in (10 to 17 mm) diameter



JHE-GET Low-Profile End Seal Kit



JHT-GET Low-Profile Tee Connection Kit

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents
PTBS-GET	Power Connection Kit with Multiple Entry Square Junction Box	SLCBL, SLMCBL, SLHCBL Heating Cable	One input connection for one heating cable. Up to three heating cables can be connected to this junction box with optional silicone frog leg expansion kits (sold separately)	<ul style="list-style-type: none"> • (1) Multiple entry junction box with rail mounted DIN terminal block electrical connections • (1) 3/4 in NPT pipe T-standoff (lower bracket) • (1) Pipe standoff strain relief (upper bracket) • (1) Lock nut • (1) Watertight sealing grommet • (2) Pipe straps – for 2 in to 6 in (51 mm to 152 mm) O.D. pipes • (1) Watertight sealing plug • (1) Silicone frog leg • (1) Green / yellow heat-shrink tube – 0.25 in x 6 in (6 mm x 150 mm) • (1) 0.34 oz (10 ml) tube of RTV sealant
PET-CA-P	Silicone Frog Leg Expansion Kit	SLCBL, SLMCBL, SLHCBL Heating Cable	Used for connecting additional heating cables to PTBS-GET. One expansion kit is required per heating cable	<ul style="list-style-type: none"> • (1) Silicone frog leg • (1) Green / yellow heat-shrink tube – 0.25 in x 6 in (6 mm x 150 mm) • (1) 0.34 oz (10 ml) tube of RTV sealant
JHE-GET	Low-Profile End Seal Kit	SLCBL, SLMCBL, SLHCBL Heating Cable	One low-profile end seal termination	<ul style="list-style-type: none"> • (1) End seal housing • (1) Watertight sealing grommet • (1) Pressure seal end with screws
JHS-GET	Low-Profile Splice Connection Kit	SLCBL, SLMCBL, SLHCBL Heating Cable	One low-profile splice connection	<ul style="list-style-type: none"> • (1) In-line splice housing • (2) Watertight sealing gaskets • (2) Housing covers with screws • (2) Watertight sealing grommets • (2) Pressure seal end with screws
JHT-GET	Low-Profile Tee Connection Kit	SLCBL, SLMCBL, SLHCBL Heating Cable	One low-profile tee connection NOTE: This kit does not complete an input power connection	<ul style="list-style-type: none"> • (1) Tee splice housing • (2) Watertight sealing gaskets • (2) Housing covers with screws • (3) Watertight sealing grommets • (3) Pressure seal end with screws

SELF-REGULATING HEATING CABLE

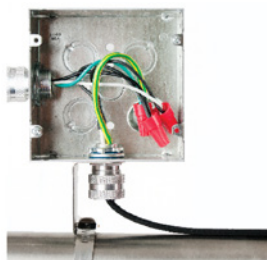
SLCBL Connection/Termination Kits

For use in ordinary locations with SLCBL cable only (UL approved).

For use in roof & gutter snow melting & de-icing applications with SLCBL cable only (UL approved).



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.



SLCBLUC Universal Connection Kit
(Junction Box sold separately)



SLCBLUC-GF
Ground Fault Power Connection Kit

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents	Required Accessories
SLCBLUC	Power Connection Kit	SLCBL Heating Cable	One input connection and one end seal termination	<ul style="list-style-type: none"> (1) 1/2 in NPT seal fitting with strain relief and grommet (1) Standoff pipe mounting bracket (1) Lock nut (3) Wire nuts (1) Black heat-shrink tube – 0.5 in x 1 in (13 mm x 25 mm) (1) Green / yellow heat-shrink tube – 0.25 in x 6 in (6 mm x 150 mm) (2) Black heat-shrink tubes – 0.13 in x 5.5 in (3 mm x 140 mm) (1) Sealing gasket (2) Heat trace warning labels (2) De-icing snow melt caution labels (1) End seal 	<ul style="list-style-type: none"> (1) 1/2 in NPT junction box – with appropriate approvals* (1) Pipe strap <p>See page 1-35 for options</p>
SLCBLUC-GF	Ground Fault Power Connection Kit	SLCBL Heating Cable	One ground-fault protection input power connection	<ul style="list-style-type: none"> (1) Ground fault device with 120 VAC 3 prong plug (NEMA 5-15p)t (1) Black cloth tape (2) Mastic strips (2) Clamp ties (2) Crimp-on insulated terminals (1) Crimp-on non-insulated barrel (1) Heat-shrink tube – 0.75 in x 8 in (19 mm x 200 mm) (1) Heat-shrink tube – 0.75 in x 5 in (19 mm x 130 mm) (1) Heat-shrink tube – 0.13 in x 1 in (3 mm x 25 mm) (1) Heat-shrink tube – 0.50 in x 1 in (13 mm x 25 mm) (1) Heat-shrink tube – 0.31 in x 1.5 in (8 mm x 38 mm) (2) Heat trace warning labels (2) De-icing snow melt caution labels 	

* Heating cable with no outer jacket (type -B) requires a metallic junction box for proper grounding

SELF-REGULATING HEATING CABLE

SLCBL Connection/Termination Kits

For use in ordinary locations with SLCBL cable only (UL approved).

For use in roof & gutter snow melting & de-icing applications with SLCBL cable only (UL approved).



Ordinary Locations

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.



SLCBLKC
End Seal Kit



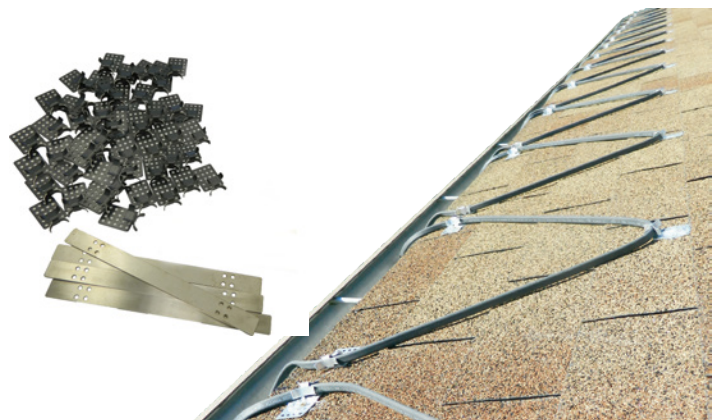
SLCBLSK
Splice and Tee Kit



Part No.	Kit	Compatible with	Enough to Complete	Kit Contents
SLCBLKC	End Seal Kit	SLCBL Heating Cable	Two end seal terminations	<ul style="list-style-type: none"> (2) Heat-shrink caps (2) Heat-shrink tubes – 0.75 in x 5 in (19 mm x 130 mm) (2) Woven braid sleeves – 0.50 in x 4 in (13 mm x 100 mm)
SLCBLSK	Splice and Tee Kit	SLCBL Heating Cable	One splice connection and one end seal termination OR one tee connection and one end termination NOTE: This kit does not complete an input power connection	<ul style="list-style-type: none"> (1) Clamp tie (3) Cable ties (1) Black cloth tape (5) Mastic strips (2) Heat-shrink caps (1) Black heat-shrink tube – 1 in x 8 in (25 mm x 200 mm) (3) Black heat-shrink tube – 0.5 in x 1 in (13 mm x 25 mm) (6) Black heat-shrink tubes – 0.13 in x 1 in (3 mm x 25 mm) (1) Heat shrink tube for ground (2) Crimp-on insulated terminals (1) Crimp-on non-insulated barrel (1) End seal

Roof and Gutter Accessories

Part Number	Description
SLCBL-RDOWN1	Aluminum Downspout Hanger Bracket
SLCBL-RCLIP10	Aluminum Roof Clips (10 pack)
SLCBL-RCLIP50	Aluminum Roof Clips (50 pack)
SLCBL-RCLIPMAG10	Magnetic Roof Clips (10 pack) — Ideal for metal roofs



Complete Roof and Gutter kits found on page 1-7

SELF-REGULATING HEATING CABLE

Self-Regulating Heating Cable (SLCAB Series)

- ▶ **Ideal for freeze protection and low-temperature process maintenance up to 150°F (65°C)**
- ▶ **Automatically adjusts heat output based on surface and ambient temperatures**
- ▶ **Safe to overlap and insulate**
- ▶ **Moisture, chemical, and flame resistant**
- ▶ **Can be cut-to-length and terminated in the field**

Specifications:

Maximum Continuous Maintenance Temperature: 150°F (65°C)

Intermittent Exposure Temperature Range: -20°F to 185°F (-29°C to 85°C)

Maximum Power Output at 50°F (10°C): 3, 5, 8, 10 W/ft (10, 16, 26, 33 W/m)

Supply Voltages: 110-120 VAC or 208-277 VAC

Bus Wires: 16 AWG nickel coated copper wire

Braid Resistance:

Tinned copper: 0.003 Ω/ft (0.009 Ω/m)

Stainless steel: 0.125 Ω/ft (0.410 Ω/m)

Bend Radius: 0.5 in (12 mm)



Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 1[†] and 2, Groups B, C, D
Class II, Division 2, Groups F, G
Class III, Division 1 and 2
3, 5, 8 W/ft T6
10 W/ft T5



Ordinary Locations 2E^{††}, 3(A,B,C), 5(A,B)
Hazardous (Classified) Locations
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III, Division 1 and 2
3, 5, 8 W/ft T6
10 W/ft T5



Hazardous Locations
II 2GD Gb
Ex e IICT**
Ex tb IIIC T** °C Db
**3, 5, 8 W/ft T5/T85°C
**10 W/ft T4/ T100°C



Hazardous Locations
Ex e IIC T** II 2 Gb
Ex tb IIIC T** °C Db
**3, 5, 8 W/ft T5/T85°C
**10 W/ft T4/ T100°C

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

[†]CI/D1 approval for BF only. Contact a BriskHeat representative for information on Division I hazardous location systems.



Moisture and Chemical Resistant



Maintenance Temperatures Up to 150°F (65°C)

Outer Layer Options

Product Type	Description	Nominal Dimensions [thickness x width] in (mm)	Shipping Weight: Per 500-ft (152m) spool	Purpose
SLCAB-B	Tinned Copper Metal Braid	0.2 x 0.4 (6 x 11)	40 (18)	For use in dry environments
SLCAB-BP	Tinned Copper Metal Braid with Thermoplastic Polyolefin Overjacket	0.3 x 0.6 (7 x 15)	48 (22)	For use in wet or weak chemical environments (i.e. weak acids)
SLCAB-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.3 x 0.6 (7 x 15)	48 (22)	For use in strong chemical environments (i.e. strong acids)
SLCAB-SS	Stainless Steel Metal Braid	0.2 x 0.4 (6 x 11)	40 (18)	More resistant to rust and corrosion than Tinned Copper Metal braid.

SELF-REGULATING HEATING CABLE

**Self-Regulating Heating Cable
(SLCAB Series)**

Maximum Circuit Length in ft (m)

Heat Cable Type	Circuit Breaker Size	Start-up Temperature		
		50°F (10°C)	0°F (-18°C)	-20°F (-29°C)
SLCAB3120	15 amp	300 (91)	200 (61)	180 (55)
	20 amp	-	270 (82)	230 (70)
	30 amp	-	330 (100)	330 (100)
SLCAB3240	15 amp	660 (201)	410 (125)	360 (110)
	20 amp	-	560 (171)	480 (146)
	30 amp	-	660 (201)	660 (201)
SLCAB5120	15 amp	230 (70)	150 (46)	130 (40)
	20 amp	270 (82)	200 (61)	175 (53)
	30 amp	-	270 (82)	260 (79)
SLCAB5240	15 amp	460 (140)	300 (91)	260 (79)
	20 amp	540 (164)	400 (122)	345 (105)
	30 amp	-	540 (164)	520 (158)
SLCAB8120	15 amp	150 (46)	95 (29)	85 (26)
	20 amp	200 (61)	125 (38)	100 (30)
	30 amp	210 (64)	190 (58)	170 (52)
	40 amp	-	210 (64)	210 (64)
SLCAB8240	15 amp	295 (90)	195 (59)	170 (52)
	20 amp	390 (119)	250 (76)	225 (68)
	30 amp	420 (128)	375 (114)	340 (104)
	40 amp	-	420 (128)	420 (128)
SLCAB10120	15 amp	115 (35)	70 (21)	60 (18)
	20 amp	150 (46)	95 (29)	85 (26)
	30 amp	180 (55)	145 (44)	120 (36)
	40 amp	-	180 (55)	165 (50)
SLCAB10240	15 amp	230 (70)	150 (46)	130 (40)
	20 amp	305 (93)	200 (61)	175 (53)
	30 amp	360 (110)	300 (91)	260 (79)
	40 amp	-	360 (110)	360 (110)

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Ordering Information:

Part Number Matrix

SLCAB	3	120	BF
-------	---	-----	----

Watts/ft: _____

3, 5, 8, 10

Voltage: _____

120- (110 - 120 VAC), 240- (208 - 277 VAC)

Outer Layer: _____

B- (Tinned Copper Metal Braid)

BP- (Tinned Copper Metal Braid with Thermoplastic Polyolefin)

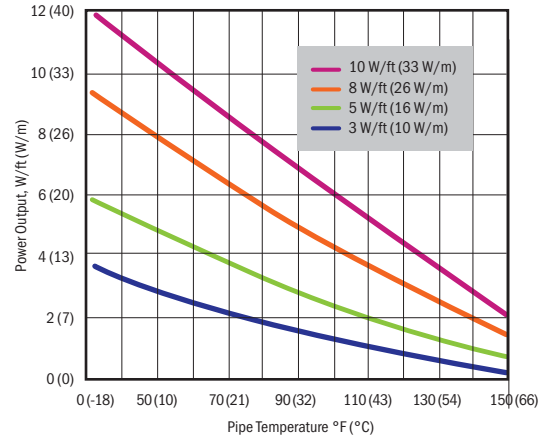
BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

SS- (Stainless Steel Metal Braid)

Class I, Division 1 Cable: _____

BF1- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Heat Output - Watts/Ft (Watts/m)



Voltage Adjustment Factor

Product Type	Output Adjustment Factor	
	208 VAC	277 VAC
SLCAB3240	0.75	1.28
SLCAB5240	0.86	1.16
SLCAB8240	0.91	1.10
SLCAB10240	0.93	1.08

Complete Your System with:

Component	Starting at Page
Power Connection/ Termination Kits	1-24
Monitor Light Kits	1-27
Insulation	1-38
Temperature Controls	8-1

SELF-REGULATING HEATING CABLE

Mid-Temperature Self-Regulating Heating Cable (SLMCAB Series)

- ▶ **Ideal for freeze protection and mid-temperature process maintenance up to 250° F (120° C)**
- ▶ **Automatically adjusts heat output based on ambient and surface and ambient temperatures**
- ▶ **Safe to overlap and insulate**
- ▶ **Moisture, chemical, and flame resistant**
- ▶ **Can be cut-to-length and terminated in the field**

Specifications:

Maximum Continuous Maintenance Temperature: 250°F (120°C)

Intermittent Exposure Temperature Range: -40°F to 366°F (-40°C to 185°C)

Nominal Power Output at 50° F (10° C): 5, 10, 15 W/ft (16, 33, 49 W/m)

Supply Voltages: 110-120 VAC or 208-277 VAC

Bus Wires: 16 AWG nickel coated copper wire

Braid Resistance: Tinned Copper 0.003 Ω/ft (0.009 Ω/m)

Bend Radius: 0.5 in (12 mm)



Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 1¹ and 2, Groups B, C, D
Class II, Division 2, Groups F, G
Class III, Division 2
5, 10, 15 W/ft T3



Ordinary Locations 3(A,B,C), 5(A,B)
Hazardous (Classified) Locations
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III, Division 1 and 2
5, 10, 15 W/ft T3



Hazardous Locations
II 2 GD
Ex e IIC T3 Gb
Ex tb IIIC T195°C Db



Hazardous Locations
Ex e IIC T3 Gb
Ex tb IIIC T195°C Db



Moisture and Chemical Resistant



Maintenance Temperatures Up to 250° F (120° C)

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

¹Cl/D1 approval for BF only. Contact a BriskHeat representative for information on Division I hazardous location systems.

Outer Jacket Options:

Type	Description	Nominal Dimensions [thickness x width] in (mm)	Purpose/Use
B	Tinned Copper Metal Braid	0.15 x 0.54 (4 x 14)	Dry Environments
BF	Tinned Copper Metal Braid with Fluoropolymer Outer Jacket	0.20 x 0.58 (5 x 15)	Wet or Harsh Chemical Environments

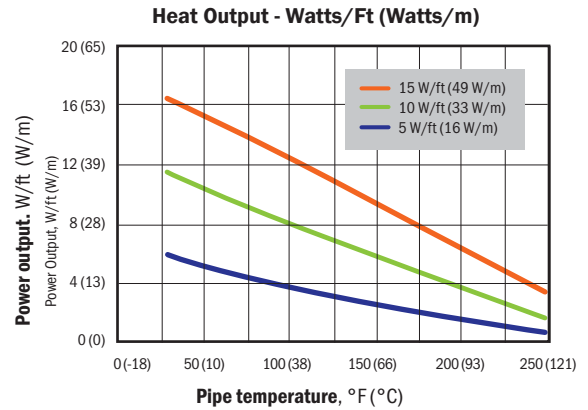
SELF-REGULATING HEATING CABLE

Mid-Temperature Self-Regulating Heating Cable (SLMCAB Series)

Specification/Application Information:

Maximum Circuit Length ft (m)

Heat Cable Type	Circuit Breaker Size	Start-up Temperature		
		50°F (10°C)	0°F (-18°C)	-40°F (-40°C)
SLMCAB5120	15 amp	150 (46)	135 (41)	130 (40)
	20 amp	200 (61)	180 (55)	170 (52)
	30 amp	240 (73)	220 (67)	210 (64)
SLMCAB5240	15 amp	250 (76)	230 (70)	220 (67)
	20 amp	330 (100)	305 (67)	295 (90)
	30 amp	480 (146)	440 (92)	420 (128)
SLMCAB10120	15 amp	90 (27)	85 (26)	80 (24)
	20 amp	120 (36)	110 (33)	105 (32)
	30 amp	180 (55)	165 (50)	160 (49)
SLMCAB10240	15 amp	140 (43)	130 (40)	125 (38)
	20 amp	190 (58)	175 (53)	170 (52)
	30 amp	280 (85)	260 (79)	250 (76)
SLMCAB15120	15 amp	70 (21)	65 (20)	60 (18)
	20 amp	90 (27)	85 (26)	80 (24)
	30 amp	130 (40)	125 (38)	120 (36)
SLMCAB15240	15 amp	100 (30)	95 (29)	90 (27)
	20 amp	135 (41)	125 (38)	120 (36)
	30 amp	200 (61)	185 (56)	180 (55)



Voltage Adjustment Factor

Product Type	Output Adjustment Factor	
	208 VAC	277 VAC
SLMCAB5240	0.78	1.25
SLMCAB10240	0.86	1.16
SLMCAB15240	0.92	1.09

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Ordering Information:

Part Number Matrix **SLMCAB 5 120 BF**

Watts/ft: _____
5, 10, 15

Voltage: _____
120- (110 - 120 VAC), 240- (208 - 277 VAC)

Outer Layer: _____
B- (Tinned Copper Metal Braid)
BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Class I, Division 1 Cable: _____
BF1- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Complete Your System with:

Component	Starting at Page
Power Connection/Termination Kits	1-24
Monitor Light Kits	1-27
Insulation	1-38
Temperature Controls	8-1

SELF-REGULATING HEATING CABLE

FM Approved SLCAB and SLMCAB Connection/Termination Kits



Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 1† and 2, Groups B, C, D
Class II, Division 2, Group F, G
Class III, Division 2

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

† Contact a BriskHeat representative for information on Division I hazardous location systems.



SLCABUC Universal Connection Kit
(junction box sold separately)



SLCABKC End Seal Kit



SLCABSK Splice Kit

Ordinary or Class I Division 2 Locations Kits – FM Approved

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents	Required Accessories
SLCABUC	SLCAB Universal Connection Kit - FM Approved	SLCAB Heating Cable	One input connection and two end terminations; or one input power splice	<ul style="list-style-type: none"> (1) 0.75 in (19 mm) NPT pipe standoff (2) Ring terminals (4) Large, insulated crimp connectors (2) Small, insulated crimp connectors (2) Pipe straps – for 2 in to 6 in (51 mm to 152 mm) O.D. pipes (1) 6 in (152 mm) shrink sleeve (1) Ground screw (1) 3 oz (89 ml) tube of RTV sealant (1) Roll of fiberglass adhesive tape (1) Caution label 	<ul style="list-style-type: none"> 0.75 in (19 mm) NPT junction box –with appropriate approvals. See selection of junction boxes on page 1-27
SLCABSK	SLCAB Splice Kit - FM Approved	SLCAB Heating Cable	Ten tee splices or ten input power connections	<ul style="list-style-type: none"> (20) Large yellow crimp connectors (20) Large blue crimp connectors (10) Heat shrink tubes (1) 3 oz (89 ml) tube of RTV sealant 	
SLMCABUC	SLMCAB Universal Connection Kit - FM Approved	SLMCAB Heating Cable	One input connection and two end terminations; or one input power splice; or one tee splice	<ul style="list-style-type: none"> (1) 0.75 in (19 mm) NPT pipe standoff (2) Ring terminals (3) Large, insulated crimp connectors (2) Small, insulated crimp connectors (2) Pipe straps – for 2 in to 6 in (51 mm to 152 mm) O.D. pipes (2) End boots (1) Ground screw (1) 3 oz (89 ml) tube of RTV sealant (1) Roll of fiberglass adhesive tape (1) Caution label 	<ul style="list-style-type: none"> 0.75 in (19 mm) NPT junction box –with appropriate approvals. See selection of junction boxes on page 1-27
SLCABKC	SLCAB End Seal Kit - FM Approved	SLCAB Heating Cable	Ten end terminations	<ul style="list-style-type: none"> (10) Heat shrink tubes 	
SLMCABKC	SLMCAB End Seal Kit - FM Approved	SLMCAB Heating Cable	Ten end terminations or ten input power connections	<ul style="list-style-type: none"> (10) End boots (4) Rolls of fiberglass adhesive tape (1) 3 oz (89 ml) tube of RTV sealant 	

SELF-REGULATING HEATING CABLE

FM Approved SLCAB and SLMCAB Connection/Termination Kits



SLCABUC1 Class I, Division 1 Power Connection Kit



SLCABKC1 Class I, Division 1 End Termination Kit

Class I Division 1 Kits — FM Approved

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents
SLCABUC1	Class I, Division 1 SLCAB and SLMCAB Power Connection Kit - FM Approved	SLCAB and SLMCAB Heating Cable	One power connection. C1D1 junction box included	<ul style="list-style-type: none"> • (1) Junction box with cover • (1) Seal fitting • (1) Standoff "T" fitting • (1) 0.75 in (19 mm) NPT threaded plug • (2) 16-14 AWG insulated butt connector • (1) Closed end crimp connector • (1) 3 oz (89 ml) tube of RTV sealant • (1) Sealing compound • (2) Pipe straps – for 2 in to 6 in (51 mm to 152 mm) O.D. pipes • (1) Roll of fiberglass adhesive tape • (1) Caution label
SLCABKC1	Class I, Division 1 SLCAB and SLMCAB End Termination Kit - FM Approved	SLCAB and SLMCAB Heating Cable	One end termination. C1D1 junction box included	<ul style="list-style-type: none"> • (1) Junction box with cover • (1) Seal fitting • (1) Standoff "T" fitting • (2) 0.75 in (19 mm) NPT threaded plug • (1) 12-10 AWG spade tongue terminal • (1) Silicone rubber boot • (1) Silicone sealant • (1) Sealing compound • (2) Pipe straps – for 2 in to 6 in (51 mm to 152 mm) O.D. pipes • (1) Roll of fiberglass adhesive tape • (1) Caution label

SELF-REGULATING HEATING CABLE

CSA Approved SLCAB and SLMCAB Connection/Termination Kits



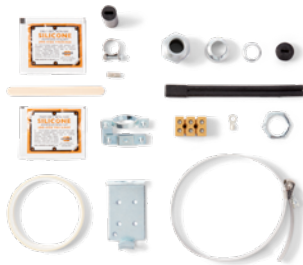
Ordinary Locations 2E*, 3(A,B,C), 5(A,B)
Hazardous (Classified) Locations
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III, Division 1 and 2

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

*2E approved for 3 watts/ft and 5 watts/ft only.



SLCABUC-CSA-M Universal Connection Kit
(Junction Box sold separately)



SLCABEND-CSA-2
End Seal Kit



SLCAB-CSA-D1
Class I, Division 1 Accessory Kit

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents	Required Accessories
SLCABUC-CSA-M	Universal Connection Kit - CSA Approved	SLCAB and SLMCAB series heating cable	One input connection and one end termination. Splices and power input splices can be made using two kits.	<ul style="list-style-type: none"> (1) Connector body (1) Connector cap (2) Connector gland washers (1) Grommet (1) Termination boot (1) Strain relief grip (1) Standoff bracket (1) Locknut (1) Termination block (1) Roll of fiberglass adhesive tape (1) Pipe strap –for 2 in to 6 in (51 mm to 152 mm) O.D. pipes (1) Ring tongue terminal (1) End seal kits – contents listed below 	<ul style="list-style-type: none"> 0.75 in NPT junction box – with appropriate approvals SLCAB-CSA-D1 – if installed in Class I, Division 1 environment
SLCABEND-CSA-2	End Seal Kit - CSA Approved	SLCAB and SLMCAB series heating cable	One end termination	<ul style="list-style-type: none"> (1) End cap (1) Clamp (1) Sealant (1) Crimp sleeve 	<ul style="list-style-type: none"> SLCAB-CSA-D1 – if installed in Class I, Division 1 environment
SLCAB-CSA-D1	Accessory Kit for Class I, Division 1 - CSA Approved	SLCABUC-CSA-M or SLCABEND-CSA-2 Kit	For use with one SLCABUC-CSA-M or SLCABEND-CSA-2 Kit. Required accessory for installations in Class I, Division 1 hazardous-area locations.	<ul style="list-style-type: none"> (1) C1D1 Junction box (1) C1D1 End seal 	<ul style="list-style-type: none"> One of the above kits

SELF-REGULATING HEATING CABLE

ATEX Approved SLCAB and SLMCAB Connection/Termination Kits



Hazardous Locations
II 2GD
Ex eb IIC Gb
Ex tb IIIC Db
Service temperatures = -34°C to +110°C

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

NEW!

Part No.	Kit	Compatible with	Enough to Complete	Kit Contents	Required Accessories
SLCABUC-EU	Power Connection / End Termination Kit – ATEX Approved	SLCAB and SLMCAB series heating cable	Either one input connection or one end termination	<ul style="list-style-type: none"> (1) Pipe Standoff (1) Sealing grommet – large hole (1) Sealing grommet – small hole (1) Sealing gasket (1) Termination boot (1) Shrink tube 0.5 in x 5.5 in (12 mm x 140 mm) (1) Tube of RTV silicone sealant (1) Lock ring (1) Adaptor (for installation on pipes smaller than 1 in (25 mm)) Nylon zip tie (1) End boot 	<ul style="list-style-type: none"> ATEX / IECEx Approved Junction Box

Junction Boxes and Monitor Light Kits

Monitor Light Kits

Provides an LED end of circuit continuity indications for SLCAB and SLMCAB series self-regulating heating cable.

FM Approved version

Voltage	Part No.
120	MLKCAB1001
240	MLKCAB2001



Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 2, Groups B, C, D
Class II, Division 2, Group F, G
Class III, Division 2

Ordinary locations (NEMA 3R) version

Voltage	Part No.
120	MLK1001
240	MLK2001

NEMA 3R for ordinary locations. Requires a lead termination kit. Part No. **SLCABLP**



MLK1001
Monitor Light Kit

Junction Boxes

Type	Approvals / Ratings	Dimensions in (mm)	Thread Size in (mm) NPT	Part No.
3 hub metallic junction box with 2 plugs and watertight cover	UL / CSA for ordinary locations NEMA 3R rated	2 x 4.5 x 2.75 (51 x 114 x 70)	0.50 (13)	JBMO50
			0.75 (19)	JBMO75
			1.00 (25)	JBMO100
7 hub cast aluminum junction box with 6 plugs and watertight cover	UL/ CSA for Hazardous Areas. CI D1 & 2 Groups B,C,D. CII D1 Groups E,F,G	4.6 x 4.6 x 3.5 (118 x 118 x 89)	0.75 (19)	JBHO75
			1.00 (25)	JBHO100

Replacement plugs for 7 hub cast aluminum junction box

Thread Size in (mm) NPT	Part No.
0.75 in (19 mm)	P075
1.00 in (25 mm)	P100



JBMO75
3 Hub Ordinary Locations Junction Box



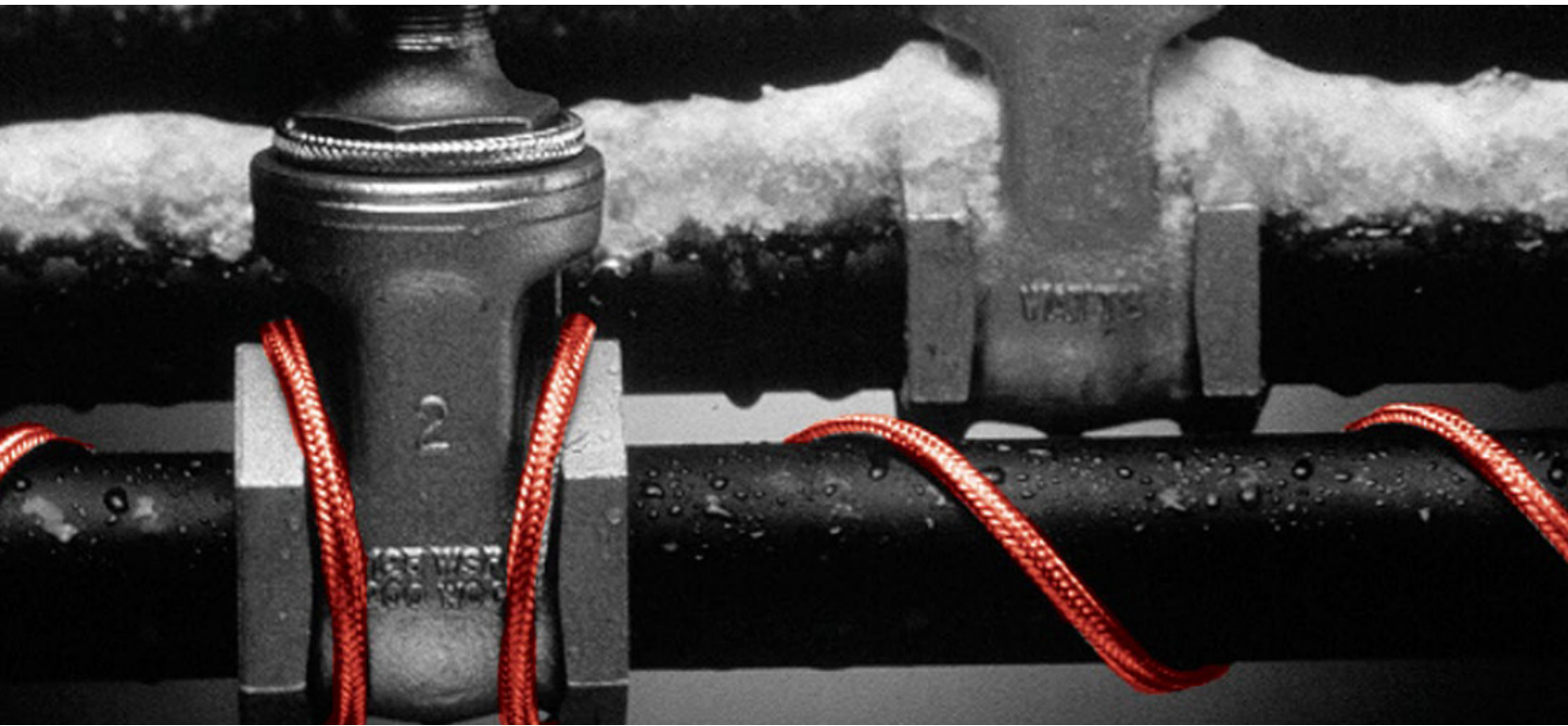
JBHO75
7 Hub Class I Division 1 Locations Junction Box



More accessories on page 1-35

CONSTANT-WATTAGE HEATING CABLE

Introduction to Constant-Wattage Heating Cable



- ▶ **Precise and Constant Temperatures**
- ▶ **Temperatures up to 500° F (260° C)**
- ▶ **Ideal for Long Runs**
- ▶ **Can Be Cut-to-Length at Job Site**
- ▶ **Tension Wrapping Holds Resistance Wire in Place, Even Under Extreme Bending**

Wide Range of Applications

- Process maintenance
- Viscosity control
- Low to high temperature control
- Freeze protection
- Ordinary locations
- Hazardous locations

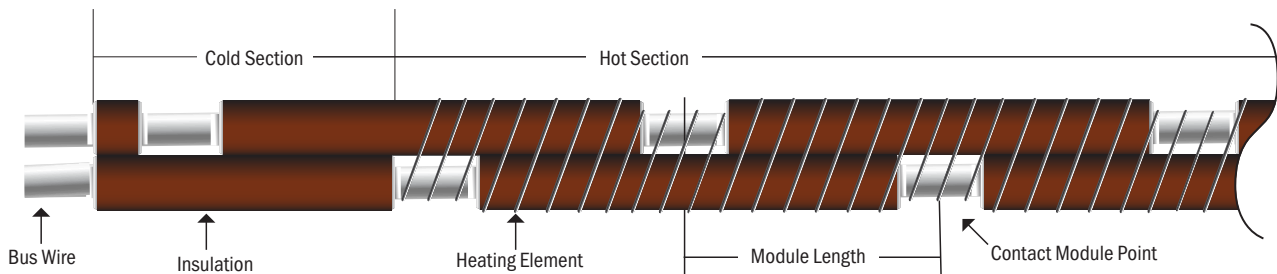


CONSTANT-WATTAGE HEATING CABLE

Constant-Wattage Heating Cable Selection Guide

BriskHeat® Constant-Wattage Heating Cables	FE Series	KE Series	KM Series	KK Series
Page	1-30	1-31	1-32	1-33
Maximum Exposure Temperature	400°F (204°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)
Outer Jacket	FEP Extruded Jacket with Tinned Copper Overbraid	PFA Extruded Jacket	Polymide Film with Tinned Copper Overbraid	Polymide Film with Tinned Copper Overbraid
Available Voltages	120, 208, 240, 277, 480 VAC	120, 208, 240, 277, 480 VAC	120, 208, 240, 277, 480 VAC	120, 208, 240, 277, 480 VAC
Available Wattages	3, 5, 8, & 12 watts/ft (10, 16, 26, & 39 watts/m)	4, 8, & 12 watts/ft (13, 26, & 39 watts/m)	4, 8 & 12 watts/ft (13, 26, & 39 watts/m)	4, 8, 12, & 18 watts/ft (13, 26, 39, & 59 watts/m)
Nominal Dimensions	0.2 in x 0.3 in (5 mm x 8 mm) 12 AWG	0.2 in x 0.3 in (5 mm x 8 mm) 12 AWG	0.2 in x 0.3 in (5 mm x 8 mm) 12 AWG	0.15 in x 0.25 in (4 mm x 6 mm) 12 AWG
Weight per 500 Foot (152m) Spool	40 lb (18 kg)	41 lb (19 kg)	45 lb (20 kg)	30 lb (14 kg)
Dielectric Strength	Over 2000 volts	Over 2000 volts	Over 2000 volts	Over 2000 volts
Resistance to Moisture	Poor	Excellent	Good	Good
Resistance to Chemicals	Poor	Excellent	Good	Good
Resistance to Flame	Outstanding	Excellent	Outstanding	Excellent
Resistance to Radiation	Fair to good	Fair to good	Good	Outstanding flexibility after exposure to 10 ⁹ RADS

How Constant-Wattage Cable Works



Constant-Wattage cable uses a fixed resistance wire wrapped around two main conductors (bus wires). At specific intervals the insulation is removed from the bus wires, forming the Contact Module Points.

These Contact Module Points are staggered along the length of the cable. This creates consistent heating circuits known as the Module Length. When power is applied to the bus wires each complete Module Length heats at the rated wattage output.

The incomplete Module Lengths, at the beginning and end of each cable, do not heat. This allows the “Cold” ends to be safely placed inside of a controller or junction box.

CONSTANT-WATTAGE HEATING CABLE

FE Constant-Wattage Heating Cable

(FE Series)

- ▶ **Temperatures up to 400 °F (204 °C)**
- ▶ **Power remains constant regardless of temperature**
- ▶ **Can be cut-to-length at job site**
- ▶ **Ideal for wide range of general purpose applications:**
 - Mid-range process temperature control for food and chemical processing
 - Water lines
 - Fire protection systems
 - Fuel oil
 - Condensate return
 - Hot water lines
 - Lines periodically purged with 250 psig steam
 - Not suitable for installation in wet locations and outdoor use

Specifications:

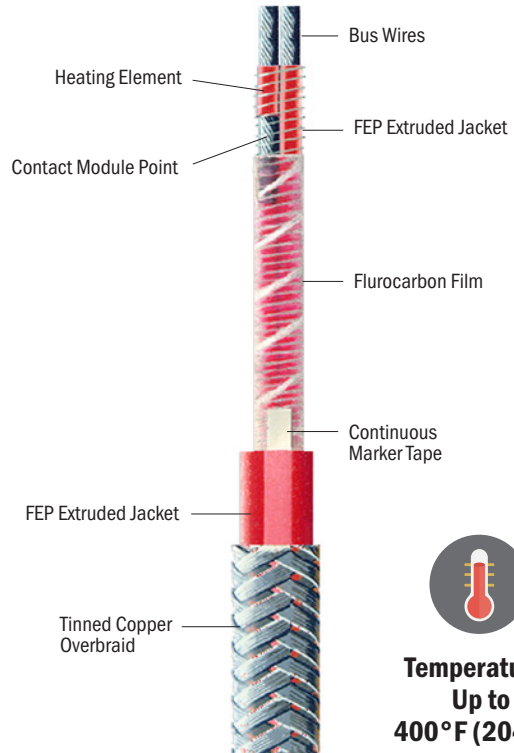
Exposure Temperature Range: -22°F to 400°F (-30°C to 204°C)

Minimum Bend Radius: 1.0 in (25 mm)

Bus Wire Gauge: 12 AWG

Dimensions: 0.2 in x 0.3 in (5 mm x 8 mm)

Weight: 40 lb (18 kg) per 500-foot (152 m) spool



Ordinary Locations
Hazardous Locations:
Class I, Division 2, Groups B, C, & D
Class II, Division 2, Groups F, & G
Class III, Division 2



Tinned copper braid only
Ordinary locations
120, 240 VAC only



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Ordering Information:

Part Number Matrix

FECAB 3 120 B

Watts/ft:
3, 5, 8, 12

Voltage:
120, 208, 240, 277, 480

Braid Type:
B- (tinned copper metal braid), SS- (stainless steel overbraid)

See pages 1-34 through 1-35 for connection/termination kits and accessories.

Maximum Circuit Length in ft (m)

Cable	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
3 watts/ft (10 watts/m)	640 (195)	1110 (338)	1280 (390)	N/A	2560 (780)
5 watts/ft (16 watts/m)	385 (117)	665 (203)	770 (234)	N/A	1535 (468)
8 watts/ft (26 watts/m)	240 (73)	415 (127)	480 (146)	555 (169)	960 (293)
12 watts/ft (39 watts/m)	160 (49)	277 (85)	320 (98)	370 (113)	640 (195)

Circuit Module Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
3 watts/ft (10 watts/m)	2.0 (0.6)	4.0 (1.2)	4.0 (1.2)	N/A	8.0 (2.4)
5 watts/ft (16 watts/m)	2.0 (0.6)	4.0 (1.2)	3.0 (0.9)	N/A	6.0 (1.8)
8 watts/ft (26 watts/m)	2.0 (0.6)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	6.0 (1.8)
12 watts/ft (39 watts/m)	2.0 (0.6)	6.0 (1.8)	2.0 (0.6)	4.0 (1.2)	4.0 (1.2)

When ordering, please allow a minimum of 1 module length extra for terminations.

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

CONSTANT-WATTAGE HEATING CABLE

KE Constant-Wattage Heating Cable
(KE Series)

- ▶ **Temperatures up to 500° F (260° C)**
- ▶ **Power remains constant regardless of temperature**
- ▶ **Moisture, chemical, flame, and radiation resistant**
- ▶ **Can be cut-to-length at job site**
- ▶ **Ideal for a wide range of applications in corrosive environments:**
 - Freeze protection
 - Viscosity control
 - High temperature process control
 - Asphalt plants
 - Oil refineries
 - Mines
 - Chemical and petrochemical processing areas
 - Other explosive and corrosive atmospheres
 - Severe arctic cold

Specifications:

Exposure Temperature Range: -22°F to 500°F (-30°C to 260°C)

Minimum Bend Radius: 1.0 in (25 mm)

Bus Wire Gauge: 12 AWG

Dimensions: 0.2 in x 0.3 in (5 mm x 8 mm)

Weight: 41 lb. (19 kg) per 500-foot (152 m)



Ordinary Locations
Hazardous Locations:
Class I, Division 2, Groups B, C, & D
Class II, Division 2, Groups F, & G
Class III, Division 2



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Ordering Information:

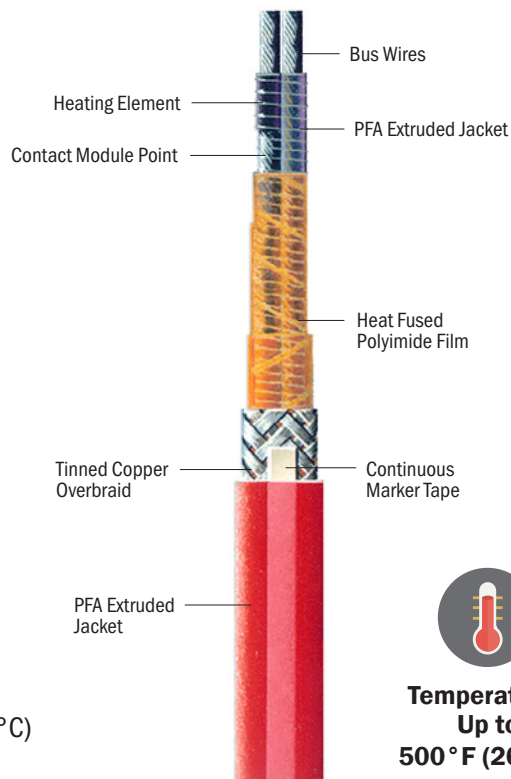
Part Number Matrix

KECAB	4	120
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Watts/ft:
4, 8, 12

Voltage:
120, 208, 240, 277, 480

See pages 1-34 through 1-35 for connection/termination kits and accessories.



Temperatures Up to 500° F (260° C)

Maximum Circuit Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	480 (146)	830 (253)	960 (293)	1110 (338)	1920 (585)
8 watts/ft (26 watts/m)	240 (73)	415 (127)	480 (146)	555 (169)	960 (293)
12 watts/ft (39 watts/m)	160 (49)	277 (85)	320 (98)	370 (113)	640 (195)

Circuit Module Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	8.0 (2.4)
8 watts/ft (26 watts/m)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	6.0 (1.8)
12 watts/ft (39 watts/m)	2.0 (0.6)	6.0 (1.8)	4.0 (1.2)	4.0 (1.2)	6.0 (1.8)

When ordering, please allow a minimum of 1 module length extra for terminations.

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

CONSTANT-WATTAGE HEATING CABLE

KM Constant-Wattage Heating Cable
(KM Series)

- ▶ **Temperatures up to 500° F (260° C)**
- ▶ **Power remains constant regardless of temperature**
- ▶ **Moisture, chemical, flame, and radiation resistant**
- ▶ **Can be cut-to-length at job site**
- ▶ **Ideal for a wide range of applications:**
 - Freeze protection
 - Viscosity control
 - High temperature process control
 - Power plants
 - Oil refineries
 - Water treatment plants
 - Food processing plants
 - Other explosive atmospheres

Specifications:

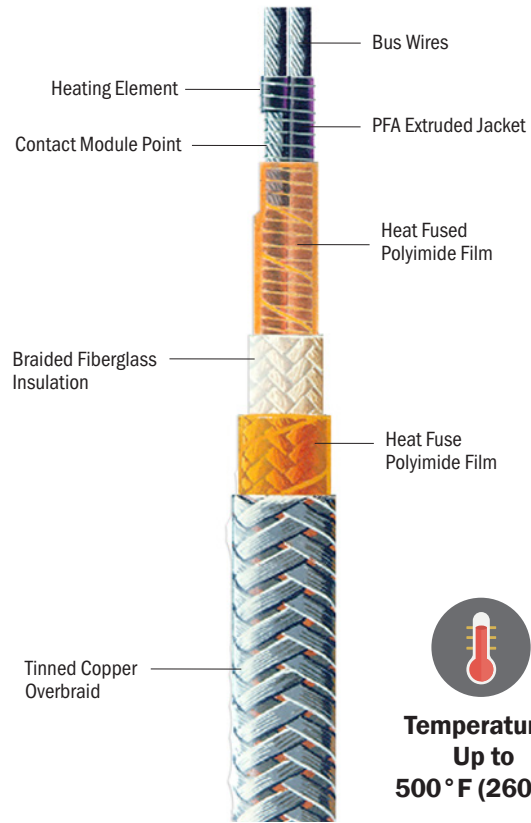
Exposure Temperature Range: -22°F to 500°F (-30°C to 260°C)

Minimum Bend Radius: 1.0 in (25 mm)

Bus Wires Gauge: 12 AWG

Dimensions: 0.2 in x 0.3 in (5 mm x 8 mm)

Weight: 45 lb (20 kg) per 500-foot (152 m) spool:



Temperatures Up to 500° F (260° C)



Ordinary Locations
Hazardous Locations:
Class I, Division 2, Groups B, C, & D
Class II, Division 2, Groups F, & G
Class III, Division 2



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Ordering Information:

Part Number Matrix

KMCAB	8	120	12
-------	---	-----	----

Watts/ft: _____
4, 8, 12

Voltage: _____
120, 208, 240, 277, 480

Bus Gauge: _____
12 AWG

See pages 1-34 through 1-35 for connection/termination kits and accessories.

Maximum Circuit Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	480 (146)	830 (253)	960 (293)	1110 (338)	1920 (585)
8 watts/ft (26 watts/m)	240 (73)	415 (127)	480 (146)	555 (169)	960 (293)
12 watts/ft (39 watts/m)	160 (49)	277 (85)	320 (98)	370 (113)	640 (195)

Circuit Module Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	8.0 (2.4)
8 watts/ft (26 watts/m)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	6.0 (1.8)
12 watts/ft (39 watts/m)	4.0 (1.2)	6.0 (1.8)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)

When ordering, please allow a minimum of 1 module length extra for terminations.

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

CONSTANT-WATTAGE HEATING CABLE

KK Constant-Wattage Heating Cable (KK Series)

- ▶ **Temperatures up to 500° F (260° C)**
- ▶ **Power remains constant regardless of temperature**
- ▶ **Can be cut-to-length at job site**
- ▶ **Moisture, chemical, flame, and radiation resistant**
- ▶ **Ideal for a wide range of high temperature applications:**
 - Viscosity control
 - Asphalt lines
 - Heavy oil lines
 - Nuclear environments
 - Locations where halogens are not permitted
 - Process lines subject to high pressure steam blow down

Specifications:

Exposure Temperature Range: -22°F to 500°F (-30°C to 260°C)

Minimum Bend Radius: 1.0 in (25 mm)

Bus Wire Gauge: 12 AWG

Dimensions: 0.15 in x 0.25 in (4 mm x 6 mm)

Weight: 30 lb. (14 Kg) per 500-foot (152 m) spool



Ordinary Locations
Hazardous Locations:
Class I, Division 2, Groups B, C, & D
Class II, Division 2, Groups F, & G
Class III, Division 2



Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.

Ordering Information:

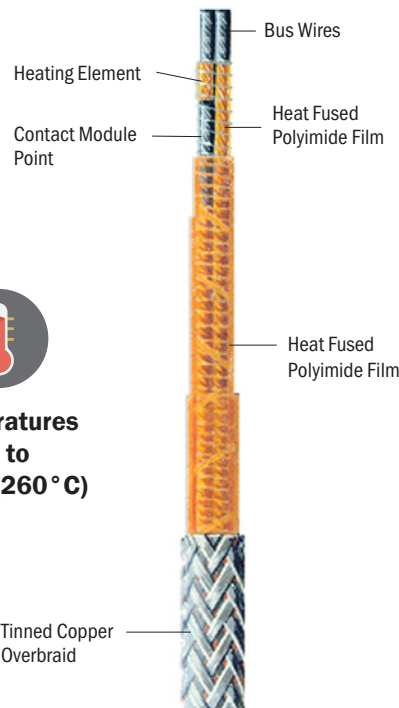
Part Number Matrix:

KKCAB	8	120
-------	---	-----

Watts/ft: _____
4, 8, 12, 18

Voltage: _____
120, 208, 240, 277, 480

See pages 1-34 through 1-35 for connection/termination kits and accessories.



Temperatures Up to 500° F (260° C)

Maximum Circuit Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	480 (146)	830 (253)	960 (293)	1110 (338)	1920 (585)
8 watts/ft (26 watts/m)	240 (73)	415 (127)	480 (146)	555 (169)	960 (293)
12 watts/ft (39 watts/m)	160 (49)	277 (85)	320 (98)	370 (113)	640 (195)
18 watts/ft (59 watts/m)	105 (32)	185 (56)	215 (65)	245 (75)	425 (130)

Circuit Module Length in ft (m)

Cable Type	120 VAC	208 VAC	240 VAC	277 VAC	480 VAC
4 watts/ft (13 watts/m)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	8.0 (2.4)
8 watts/ft (26 watts/m)	2.0 (0.6)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	6.0 (1.8)
12 watts/ft (39 watts/m)	2.0 (0.6)	4.0 (1.2)	4.0 (1.2)	4.0 (1.2)	7.0 (2.1)
18 watts/ft (59 watts/m)	1.75 (0.5)	3.0 (0.9)	3.5 (1.1)	4.0 (1.2)	5.5 (1.7)

When ordering, please allow a minimum of 1 module length extra for terminations.

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

CONSTANT-WATTAGE HEATING CABLE

FE Connection/Termination Kits



FECABUC Contents

**FECABKC:
Lead/End Termination Kit**

- 5-Lead pouches
 - 5-End pouches
 - 10-Shrink tubes
- Enough to complete five lead terminations and five end terminations.

**FECABUC:
Universal Connection/Termination Kit**

- 3-Lead pouches
 - 2-End pouches
 - 6-Shrink tubes
 - 1-3 oz (89 ml) tube RTV sealant
 - 1-Caution label
 - 2-Ring terminals
 - 2-Splice connectors 12-10
 - 3-Wire nuts
 - 1-1 in NPT Pipe standoff
 - 2- Pipe straps
- Enough to complete one power input connection or one power input splice, three lead terminations and two end terminations.

NOTE: Requires double hub junction box.

**FECABLP:
Lead Termination Kit**

- 1-Lead pouch
 - 1-Shrink tube
- Enough to complete one lead termination.

**FECABSK:
Splice Kit**

- 3-Lead pouches
 - 1-End pouch
 - 4-Shrink tubes
 - 1-3 oz (89 ml) Tube RTV sealant
 - 1-Caution label
 - 3-Ring terminals
 - 3-Splice connectors 12-10
- Enough to complete one in-line splice or one tee splice, three lead terminations and one end termination.

NOTE: Requires single hub junction box, pipe standoff, two pipe straps.

**FECABEP:
End Termination Kit**

- 1-End pouch
 - 1-Shrink tube
- Enough to complete one end termination.

KE, KM, KK Connection/Termination Kits



KCABUC Contents

**KCABKC:
Lead/End Termination Kit**

- 5-Lead pouches
 - 5-End pouches
 - 1-3 oz (89 ml) Tube RTV sealant
- Enough to complete five lead terminations and five end terminations.

**KCABUC:
Universal Connection/Termination Kit**

- 2-Lead pouches
 - 2-End pouches
 - 1-3 oz (89 ml) Tube RTV sealant
 - 1-Caution label
 - 2-Ring terminals
 - 2-Splice connectors 12-10
 - 2-Wire nuts
 - 1-1 in NPT pipe standoff
 - 2- Pipe straps
- Enough to complete one power input connection or one power input splice, two lead terminations and two end terminations.

NOTE: Requires double-hub junction box.

**KCABLP:
Lead Termination Kit**

- 1-Lead pouch
- Enough to complete one lead termination.
- NOTE: Requires RTV silicone*

**KCABSK:
Splice Kit**

- 3-Lead Pouches
 - 3-End pouches
 - 1-3 oz (89 ml) Tube RTV sealant
 - 1-Caution label
 - 3-Ring terminals
 - 3-Splice connectors 12-10
- Enough to complete one in-line splice or one tee splice, three lead terminations and three end terminations.

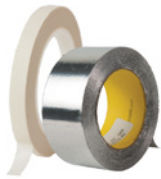
NOTE: Requires single hub junction box, pipe standoff, two pipe straps.

**KCABEP:
End Termination Kit**

- 1-End pouch
- Enough to complete one end termination.
- NOTE: Requires RTV silicone.*

HEATING CABLE ACCESSORIES

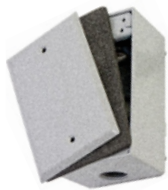
Heating Cable Accessories



Adhesive Tape

Adhesive tape used for mounting heating cable.

Part No.	Description
PSAT36A	Standard Fiberglass Tape Silicone Adhesive Size: 0.5 in x 108 ft (13 mm x 38 m) Temp Limit: 392°F (200°C)
AAT25	Standard Aluminum Tape Acrylic Adhesive w/ Liner Size: 2.5 in x 180 ft (64 mm x 55 m) Temp Limit: 305°F (152°C)
AAT260	Premium Aluminum Tape Acrylic Adhesive Size: 2 in x 180 ft (51 mm x 55 m) Temp Limit: 300°F (149°C)
AAT2180	High-Temp Aluminum Tape Silicone Adhesive w/Liner Size: 2 in x 180 ft (51 mm x 55 m) Temp Limit: 500°F (260°C)



Junction Box

Metallic enclosure with watertight cover. Suitable for ordinary locations. NEMA 3R rated for indoor/outdoor use.

File No. 195978 File No. C22.2 No. 18

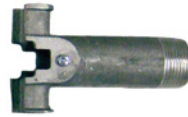
Part No.	Description
JBM050	Metallic Box 3 hub 1/2 in NPT Dimensions: 2 in x 4-1/2 in x 2-3/4 in (51 mm x 114 mm x 70 mm)
JBM075	Metallic Box 3 hub 3/4 in NPT Dimensions: 2 in x 4-1/2 in x 2-3/4 in (51 mm x 114 mm x 70 mm)
JBM100	Metallic Box 3 hub 1 in NPT Dimensions: 2-5/8 in x 4-1/2 in x 2-3/4 in (67 mm x 114 mm x 70 mm)



Hazardous Location Junction Box

Metallic enclosure with watertight explosion proof cover. Suitable for hazardous locations. C1 D1 NEMA 4x rated for indoor/outdoor use.

Part No.	Description
JBH075	Metallic box 7 hub 3/4 in NPT Dimensions: 3-1/2 in x 4-5/8 in x 4-5/8 in (89 mm x 117 mm x 117 mm)
JBH100	Metallic box 7 hub 1 in NPT Dimensions: 3-1/2 in x 4-5/8 in x 4-5/8 in (89 mm x 117 mm x 117 mm)



Pipe Standoff

Aluminum standoff for mounting junction boxes to pipe.

Part No.	Description
PSOCAB075	3/4 in NPT thread
PSOCAB010	1 in NPT thread



Pipe Strap

Stainless steel pipe straps used to secure pipe standoff to pipe.

Part No.	Description
BPSCAB2-6	Adjustable from: 2 in to 6 in (51mm to 152mm)



RTV Sealant

Silicone sealant used to seal lead pouches, end pouches, and pipe standoffs.

Part No.	Description
RTV3.0	3 oz. (89 ml)



Monitor Light Kit

Provides an LED end of circuit continuity indication for all types of heating cable. Suitable for ordinary locations. NEMA 3R rated for outdoor/wet area use.

Part No.	Description
MLK1001	120 V LED
MLK2001	240 V LED

Note: Lead termination kit required.
For SL series cables use SLCABLP
For FE series cables use FECABLP
For KE, KK, and KM series cables use KCABLP



Heat Conductive Putty

Used to fill voids between cable and pipe surface.

Part No.	Description
HCP1	Size: 1 lb. (0.5 kg)
HCP3	Size: 3 lb. (1.4 kg)



Electrical Tracing Caution Label

Recommended for every 10 ft (3 m) of heat trace.

Part No.	Description
BCLCAB	Caution label (English)
BCLCAB-DE	Caution label (Deutsch)
BCLCAB-ES	Caution label (Espanol)
BCLCAB-FR	Caution label (Frances)
BCLCAB-IT	Caution label (Italiano)

MINERAL INSULATED HEATING CABLE

Mineral Insulated Heating Cable (MI Series)

NEW!

- ▶ High temperature capabilities up to 1832 °F (1000 °C)
- ▶ Water proof and high corrosion resistance – IP 67 rated
- ▶ High watt densities up to 76.2 W/ft (250 W/m)
- ▶ Choice of outer sheath materials: Stainless steel, Alloy 800/825, or Inconel 600
- ▶ Laser welded for superior reliability
- ▶ Customized for your application



Exceptional
Durability



Temperatures
Up to
1832 °F (1000 °C)

Benefits:

- Extremely durable and corrosion-resistant – suitable for harsh environments
- Suitable for high temperature applications
- Fast heat-up times due to high watt densities
- Can be bent and shaped to fit the object to be heated

Ideal For:

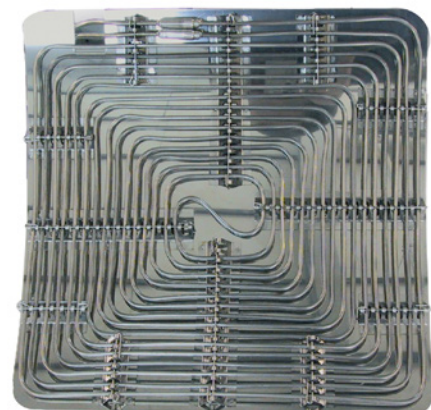
- Tanks and vessels
- Power generation hoppers
- Pipe tracing
- Containers heaters
- Valves, flanges, metal tubes
- Radiant heaters
- Under water heaters
- Furnaces
- Floodgate heating
- Reactors
- Plate heating
- Pump heating
- Continuous heating ovens
- Process heaters



Can be bent and shaped to fit the object
to be heated



Ideal for a wide range of applications

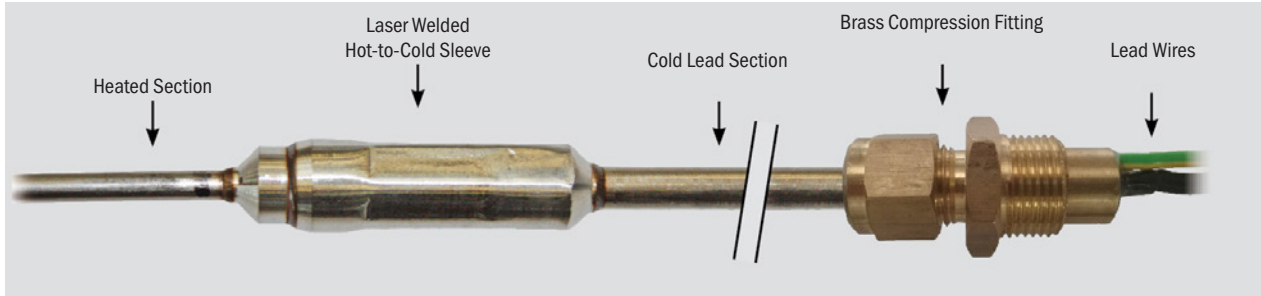


Radiant heater application

MINERAL INSULATED HEATING CABLE

Mineral Insulated Heating Cable (MI Series)

Construction:



Specifications:

Maximum Exposure Temperature: 1832°F (1000°C)

Maximum Watt Density: 76.2 watts/ft (250 watts/m)

Outer Sheath Material Options: Stainless steel, Alloy 800 & 825, or Inconel 600

Heat Conductor: Nichrome, Copper, or Copper alloy Series resistance cable

Dielectric Mineral Insulation: MgO = Magnesium Oxide

Cable Diameter: 0.125 in (3.2 mm) up to 0.25 in (6.5 mm)

Custom made units for your exact requirements

Ingress Protection Rating: IP67 (waterproof)

Standard Cold Lead Length: 1.64 ft (0.5 m)†

Standard Voltage: 230 VAC

Standard Brass Compression Fitting Connections: M20 x 1.5†

† Other sizes, voltages, and fittings available



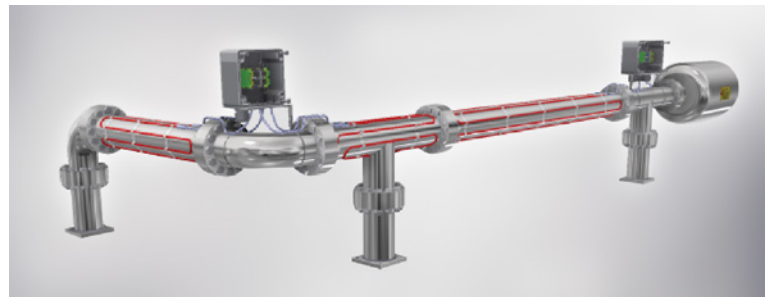
Hazardous Locations:
II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db

Chemical & Corrosion Resistance Chart

Outer Material	Sulfuric Acid	Hydrochloric Acid	Hydrofluoric Acid	Phosphoric Acid	Nitric Acid	Organic Acid	Alkali	Salts	Seawater	Chloride
Stainless steel 321	N	N	N	N	D	E	A	A	N	N
Inconel 600	D	D	A	D	D	E	E	E	A	E
Alloy 825	E	E	E	E	E	E	E	E	E	E

Other outer material options available upon request

E - Excellent
A - Acceptable
X - Application dependent
N - Not recommended



Ordering Information:

Part Number	Description
Configure-to=order	Contact us today for a quote

BriskHeat provides a complete system with all materials necessary for installation including heating cable, clamp bands, installation mesh, aluminum foil, stainless steel foil, and more.

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

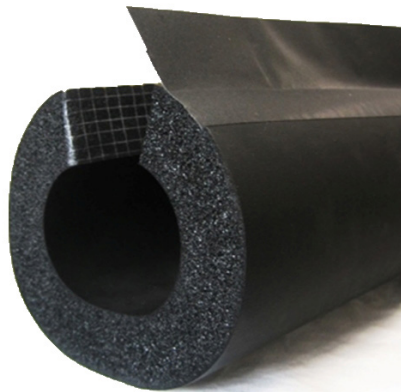
INSULATION

INSUL-LOCK[®] DS Flexible Closed Cell Pipe Insulation

(INSUL Series)

NEW OPTIONS!

- ▶ Environmentally-friendly, CFC-free, flexible elastomeric thermal insulation
- ▶ Non-porous, fiber-free, and resistant to mold growth
- ▶ Resistant to moisture vapor flow
- ▶ Compatible with heating cable and tapes



Specifications:

Operating temperature range: -70°F to 220°F
(-57°C to 104°C)

R-value: 3

Color: Black

Thickness: 0.5 in (1.3 cm)

Density: 3 to 6 PCF

Water Vapor Permeability:

Dry cup (Elastomeric insulation): 0.03 perm/in

Wet cup (Glued seam with overlap): 0.12 perm/in

Water absorption % (volume change): 0

Applications:

- Self-Regulating heating cable pipe/tube insulation
- Freeze protection
- Prevent condensation on refrigerant lines, cold water plumbing, roof drains, and chilled water systems



INSULATION

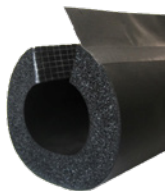
INSUL-LOCK® DS Flexible Closed Cell Pipe Insulation

(INSUL Series)

Ordering Information:

Straight Sections - 1.8 m (6 ft) long

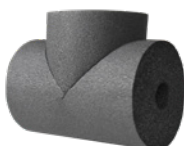
- Easy-to-install with double seal technology
 - Built-in pressure sensitive adhesive
 - Built-in PVC overlap tape with acrylic adhesive
- Scrim reinforcement on the seam surface



90° Elbows

Part No.	Recommended Pipe/Tube O.D. in	Inside Diameter in	Recommended Pipe/Tube O.D. mm	Inside Diameter mm
INSUL78	½ - 5/8	7/8	13 - 16	22
INSUL118	¾ - 7/8	1 1/8	19 - 22	29
INSUL138	1	1 3/8	25	35
INSUL158	1 1/8	1 5/8	29	41
INSUL2	1 3/8	2	35	51
INSUL218	1 5/8	2 1/8	41	54
INSUL238	2	2 3/8	51	60
INSUL258	2 1/8	2 5/8	54	67
INSUL278	2 3/8	2 7/8	60	73
INSUL318	2 5/8	3 1/8	67	79
INSUL312	2 7/8	3 1/2	73	89
INSUL358	3 1/8	3 5/8	79	92
INSUL418	3 1/2	4 1/8	89	105
INSUL412	4	4-1/2	102	114
INSUL558	5	5 5/8	127	143
INSUL658	6	6 5/8	152	168

Part No.	Recommended Pipe/Tube O.D. in	Inside Diameter in	Recommended Pipe/Tube O.D. mm	Inside Diameter mm
INSUL7890	½ - 5/8	7/8	13 - 16	22
INSUL11890	¾ - 7/8	1 1/8	19 - 22	29
INSUL13890	1	1 3/8	25	35
INSUL15890	1 1/8	1 5/8	29	41
INSUL290	1 3/8	2	35	51
INSUL21890	1 5/8	2 1/8	41	54
INSUL23890	2	2 3/8	51	60
INSUL25890	2 1/8	2 5/8	54	67
INSUL27890	2 3/8	2 7/8	60	73
INSUL31890	2 5/8	3 1/8	67	79
INSUL31290	2 7/8	3 1/2	73	89
INSUL35890	3 1/8	3 5/8	79	92
INSUL41890	3 1/2	4 1/8	89	105
INSUL41290	4	4 1/2	102	114
INSUL55890	5	5 5/8	127	143
INSUL65890	6	6 5/8	152	168



Tees

Part No.	Recommended Pipe/Tube O.D. in	Inside Diameter in	Recommended Pipe/Tube O.D. mm	Inside Diameter mm
INSUL78T	½ - 5/8	7/8	13 - 16	22
INSUL118T	¾ - 7/8	1 1/8	19 - 22	29
INSUL138T	1	1 3/8	25	35
INSUL158T	1 1/8	1 5/8	29	41
INSUL2T	1 3/8	2	35	51
INSUL218T	1 5/8	2 1/8	41	54
INSUL238T	2	2 3/8	51	60
INSUL258T	2 1/8	2 5/8	54	67
INSUL278T	2 3/8	2 7/8	60	73
INSUL318T	2 5/8	3 1/8	67	79
INSUL312T	2 7/8	3 1/2	73	89
INSUL358T	3 1/8	3 5/8	79	92
INSUL418T	3 1/2	4 1/8	89	105
INSUL412T	4	4 1/2	102	114
INSUL558T	5	5 5/8	127	143
INSUL658T	6	6 5/8	152	168

Accessories:

Part No.	Description
RTV3.0	Silicone adhesive sealant used to seal 90° elbows and tees; 3 oz (89 ml)
AAT25	Aluminum adhesive tape. Used for extra environmental protection; 2.5 in x 180 ft (64 mm x 55 m) roll
282309	DUCK® ducking duct tape. Seals spaces between multiple pieces of insulation to prevent heat loss; 0.75 in x 15 ft (19 mm x 4.5 m) roll



INSULATION

Silver-Series Removable Cloth Insulators

(SSI Series)

Silver-Series Removable Cloth Insulators are a configurable system of removable insulator blankets and covers that feature durable high-temperature cloth, energy-efficient fiberglass insulation, and hook & loop closures for easy installation and removal. This cost-effective solution improves thermal efficiency for hot and cold pipes, tanks, and vessels in industrial and commercial environments. Custom designs can be manufactured for unique requirements.

- ▶ **Configurable system**
- ▶ **Easy-to-install**
- ▶ **Removable and reusable**
- ▶ **Economical solution**
- ▶ **Cut-to-length straights**
- ▶ **Moisture/chemical resistant**
- ▶ **Durable design**
- ▶ **Long service life**
- ▶ **High-temperature**
- ▶ **Fire-retardant**
- ▶ **Asbestos-free**



**Moisture and
Chemical
Resistant**

Specifications:

Maximum Exposure Temperature: Up to 500°F (260°C)

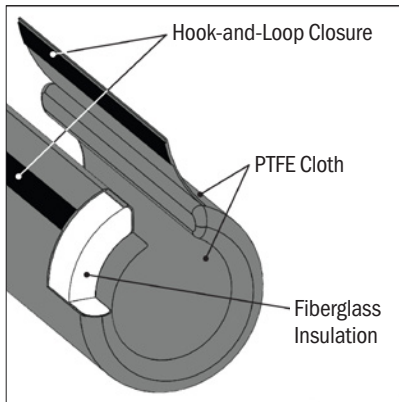
Outer Cloth Material: PTFE cloth

Insulation: 1 in (25 mm) fiberglass

Thermal Performance: R3.3, K0.21@75°F (24°C)

Ingress Protection Rating: IP54

Quality Construction



Cut-to-Length Versatility



Straight pipe insulators can be cut-in-the-field

Custom Design Options:

Cloth Materials/Max Exposure Temperature

- Other materials available upon request with higher temperature ratings up to 1100°F (593°C)

Closure Types

- Hook and loop (Standard)
- D-Rings
- Hook and lace
- Grommets
- Rope draw-cord

Insulation Thickness

- 1 in (25 mm) (standard) or your choice of thickness

Custom Sizes and Designs Available for Pipes, Tanks, Vessels, and Much More:

Contact your local distributor or BriskHeat® for more information.

INSULATION

Silver-Series Removable Cloth Insulators

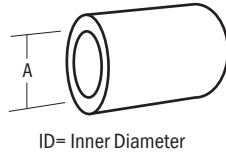
(SSI Series)

Ordering Information:

Straight Sections (Cut-to-length)



Part No.	A ID of Insulator in (mm)
SSIP10V	1.00 (25)
SSIP15V	1.50 (38)
SSIP20V	2.00 (51)
SSIP30V	3.50 (89)
SSIP40V	4.00 (102)

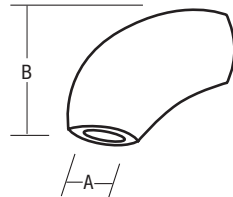


Total usable length for each straight insulator is 83 in (2108 mm) – can be cut-to-length in the field in 6 in (152 mm) and 12 in (305 mm) increments



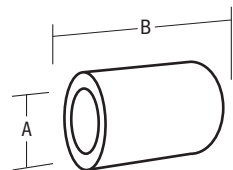
90° Elbows

Part No.	A ID of Insulator in (mm)	B Height in (mm)
SSI9010V	1.25 (32)	5.00 (127)
SSI9020V	1.50 (38)	7.00 (178)
SSI9030V	3.50 (89)	8.50 (216)
SSI9040V	4.50 (114)	11.00 (279)



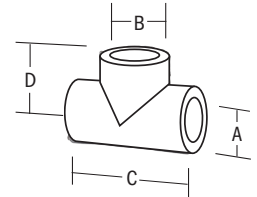
Flanges

Part No.	A ID of Insulator in (mm)	B Length in (mm)
SSIF10V	4.25 (108)	8.00 (203)
SSIF15V	5.00 (127)	8.00 (203)
SSIF20V	6.00 (152)	8.00 (203)
SSIF25V	7.00 (178)	8.00 (203)
SSIF30V	9.00 (229)	8.00 (203)
SSIF40V	11.25 (286)	8.00 (203)



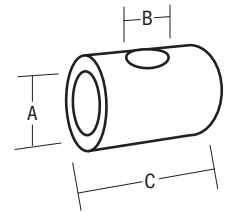
Tees

Part No.	A ID of Insulator in (mm)	B ID of Insulator in (mm)	C Length in (mm)	D Height- Center-line to top in (mm)
SSIT10V	1.50 (38)	1.50 (38)	8.00 (203)	2.00 (51)
SSIT20V	2.00 (51)	2.75 (70)	9.00 (229)	2.63 (67)
SSIT30V	4.25 (108)	3.50 (89)	12.00 (305)	5.13 (130)



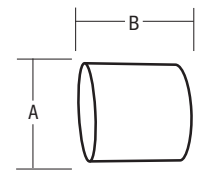
2-way Ball Valve

Part No.	A ID of Insulator in (mm)	B Opening ID in (mm)	C Length in (mm)
SSIVB102V	4.50 (114)	3.00 (76)	8.00 (203)
SSIVB202V	5.25 (133)	2.00 (51)	8.00 (203)
SSIVB302V	7.25 (184)	2.50 (64)	8.00 (203)
SSIVB402V	9.00 (229)	2.50 (64)	8.00 (203)



Seam Covers

Part No.	A ID of Insulator in (mm)	B Length in (mm)
SSIC10V	3.17 (81)	3.25 (83)
SSIC20V	4.00 (102)	3.88 (99)
SSIC30V	5.25 (133)	4.00 (102)
SSIC40V	6.80 (173)	3.88 (99)



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