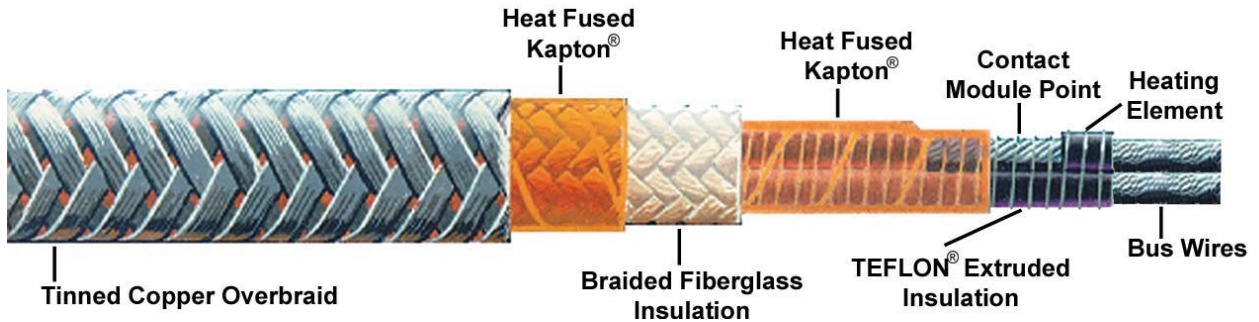


Kapton®/Fiberglass Constant-Wattage Heating Cable (KM Series) **BriskHeat®**



Kapton®/Fiberglass Constant-Wattage Heating Cable (KM Series) is designed for freeze protection, viscosity, and high temperature process control. KM Heating Cable is used in power plants, oil refineries, water treatment plants, food processing plants, and other locations where explosive atmospheres can occur.

KM Cable Part Number Selection Guide

Kapton®/Fiberglass Cable _____ **KMCAB** 8 120 12
Watts/ ft (M): _____
 4, 8, 12 (13.1, 26.2, 39.3)
Voltage: _____
 120, 208, 240, 277, 480
Bus Gauge: _____
 16, 12AWG
Please consult factory for price, delivery and minimum quantity

Approvals:



APPROVED

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

Specifications:

- Maximum exposure temperature is 500°F (260°C).
- Moisture and chemical resistant.
- Flame resistant.
- Radiation resistant.
- 12 or 16AWG bus wires.
- Dimensions:
 - 16AWG bus wires: 0.170" x 0.485" (4.32 x 12.32mm).
 - 12AWG bus wires: 0.160" x 0.265" (4.06 x 6.37mm).
- Weight per 500-foot (152.4 M) spool:
 - 16AWG cable: 37 lb. (16.8 Kg.).
 - 12AWG cable: 45 lb. (20.4 Kg.).

Maximum circuit length, linear feet (M) of KM cable

Cable Type	120VAC	208VAC	240VAC	277VAC	480VAC
4 watts/ft 16AWG (13.1 watts/ M)	190 (58)	329 (100)	380 (116)	439 (134)	760 (232)
4 watts/ft 12AWG (13.1 watts/ M)	310 (94)	537 (164)	620 (189)	716 (218)	1240 (378)
8 watts/ ft 16AWG (26.2 watts/ M)	112 (34)	194 (59)	224 (68)	259 (79)	448 (137)
8 watts/ ft 12AWG (26.2 watts/ M)	220 (67)	381 (116)	440 (134)	508 (155)	880 (268)
12 watts/ ft 12AWG (39.3 watts/ M)	180 (55)	312 (95)	360 (110)	416 (127)	720 (219)

KM Cable circuit module length, feet (M)

Cable Type	120VAC	208VAC	240VAC	277VAC	480VAC
4 watts/ft 16AWG (13.1 watts/ M)	4 (1.2)	4 (1.2)	4 (1.2)	4 (1.2)	8 (2.4)
4 watts/ft 12AWG (13.1 watts/ M)	4 (1.2)	4 (1.2)	4 (1.2)	4 (1.2)	8 (2.4)
8 watts/ ft 16AWG (26.2 watts/ M)	4 (1.2)	4 (1.2)	4 (1.2)	4 (1.2)	6 (1.8)
8 watts/ ft 12AWG (26.2 watts/ M)	4 (1.2)	4 (1.2)	4 (1.2)	4 (1.2)	6 (1.8)
12 watts/ ft 12AWG (39.3 watts/ M)	4 (1.2)	6 (1.8)	4 (1.2)	4 (1.2)	4 (1.2)

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

K Series Connection/ Termination Kits

BriskHeat®



KCABUC:

Universal Connection/Termination Kit.

- 1-1" NPT pipe standoff
- 2-Ring terminals
- 3-Wire nuts
- 3-Lead pouches
- 2-End pouches
- 1-3 oz. Tube RTV sealant
- 1-Caution label

Enough to complete:

Two end terminations and one power input connection, or one power input splice.

NOTE: Requires junction box and pipe straps.

KCABKC:

Lead/ End Termination Kit

- 5-Lead pouches
- 5-End pouches
- 1-3 oz. Tube RTV sealant

Enough to complete:

Five lead and end terminations.

KCABSK:

Splice Kit.

- 3-Lead Pouches
- 1-End pouch
- 3-Crimp barrels
- 3-Ring terminals
- 1-3 oz. Tube RTV sealant
- 1-Caution label

Enough to complete:

One in line splice or one tee splice.

NOTE: Requires pipe standoff, pipe straps, and junction box.

KCABLP:

Lead Termination Kit.

- 1-Lead pouch

Enough to complete:

One lead termination.

NOTE: Requires RTV silicone.

KCABEP:









End Termination Kit.

- 1-End pouch

Enough to complete:

One lead termination.

NOTE: Requires RTV silicone.

ACCESSORY	DESCRIPTION	PART NUMBER	
Fiberglass Adhesive Tape	Pressure sensitive fiberglass adhesive tape. Used to secure heating cable to pipe.	PSAT36 (0.5in x 36yd.), (12.7mm x 32.9M)	Temp Limit 350°F (176°C)
Aluminum Adhesive Tape	Helps to isolate the cable from the insulation and provides intimate contact with pipes, tanks, and plates.	AAT260 (2" x 180'), (50.8mm x 54.9M) AAT2180 (2" x 180'), (50.8mm x 54.9M)	Temp Limit 350°F (176°C) 550°F (288°C)
Pipe Straps 	Stainless steel pipe straps used to secure pipe standoff to pipe.	BPSCAB1-2.3 BPSCAB2.3-12	Max Pipe OD 2.3" (58.4mm) 12" (304.8mm)
Caution Labels 	Electrical heat trace warning label. Required by code for every 10 feet of pipe.	BCLCAB	
Heat Conductive Putty 	Used to fill voids between cable and pipe surface.	HCP 1 (1 lb.)(0.45kg) HCP 3 (3 lb.)(1.36kg)	
Junction Box 	Single or dual hub with cover. 1" NPT thread.	JBACAB 001 (Single Hub) JBACAB 002 (Double Hub)	
Pipe Standoff 	One cast aluminum fitting with 1" NPT thread.	PSOCAB010	
RTV 	Silicone sealant (3 oz.) used to seal lead pouches, end pouches, and pipe standoffs.	RTV3.0	
Monitor Light Kit 	Provides a continuity check at the termination end of a cable circuit.	MLK1 001 (120V Single Hub) MLK2 001 (240V Single Hub) MLK1 002 (120V Double Hub) MLK2 002 (240V Double Hub)	
Monitor Light Bulbs	Replacement bulbs for the monitor light kits.	MLBCAB 001 (120V Bulb) MLBCAB 002 (240V Bulb)	
Reducer 	Adapts .75" NPT male to 1" NPT female.	BPRCAB 010	