

KE Harsh Environment Constant-Wattage Heating Cable

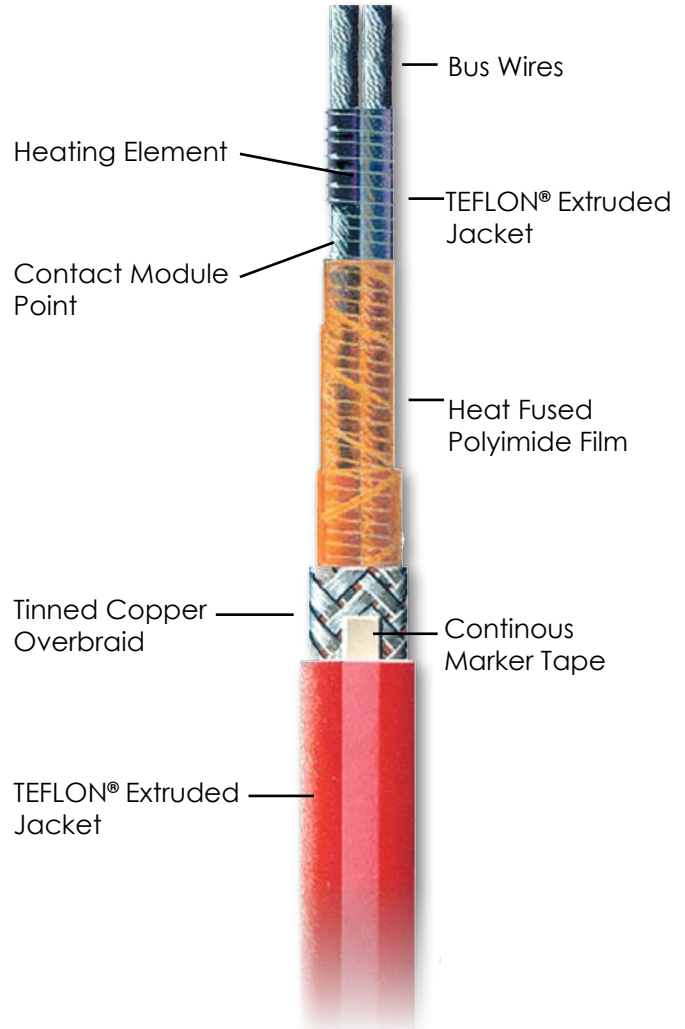
Product Highlights

- ✓ Temperatures up to 500°F (260°C)
- ✓ Power remains constant regardless of temperature
- ✓ 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:

- Maximum exposure temperature is 500°F (260°C)
- Moisture, chemical, flame, and radiation resistant
- 12AWG bus wires
- Dimensions 0.2" x 0.3" (5mm x 8 mm)
- 41lb. (19kg.) per 500-foot (152m)

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Approvals:

FM Ordinary Locations
 Hazardous Locations:
APPROVED 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

Watts / ft: _____
 4, 8, 12

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

See pages 17 -18 for power connection / termination kits, monitor light kits, and accessories.

Maximum Circuit Length in ft (m)

Cable Type	120VAC	208VAC	240VAC	277VAC	480VAC
4 watts/ ft (13 watts/ m)	310 (95)	537 (164)	620 (189)	716 (218)	1240 (378)
8 watts/ ft (26 watts/ m)	220 (67)	381 (116)	440 (134)	508 (155)	880 (268)
12 watts/ ft (39 watts/ m)	180 (55)	312 (95)	360 (110)	416 (127)	720 (220)

Circuit Module Length in ft (m)

Cable Type	120VAC	208VAC	240VAC	277VAC	480VAC
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 pages 80 through 100 for options.

FE Connection / Termination Kits



Image of FECABUC

FECABUC:

Universal Connection/Termination Kit.

- 1-1" NPT Pipe standoff
- 2-Ring terminals
- 3-Wire nuts
- 2-Crimp barrels
- 3-Lead pouches
- 2-End pouches
- 1-Caution label
- 6-Shrink tubes
- 1- Panhead screw
- 1-3 oz. tube RTV sealant
- 2- Pipe straps

Enough to complete:

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

NOTE: Requires a double hub junction box

FECABKC:

Lead/ End Termination Kit

- 5-Lead pouches
- 5-End pouches
- 10-Shrink tubes

Enough to complete:

Five lead and end terminations

FECABSK:

Splice Kit.

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

Enough to complete:

One in-line splice or one tee splice

NOTE: Requires Pipe standoff, pipe straps, single hub junction box, and RTV silicone

FECABLP:

Lead Termination Kit.

- 1-Lead pouch
- 1-Shrink tube

Enough to complete:

One lead termination

FECABEP:

End Termination Kit.

- 1-End pouch
- 1-Shrink tube

Enough to complete:

One end termination

KE, KM, KK Connection / Termination Kits



Image of KCABUC

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 double-hub 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 single hub 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

Heating Cable Accessories



Adhesive Tape

Helps to isolate the cable from the insulation and provides intimate contact with surface to be heated.

Part Number	Description
PSAT36A	Pressure Sensitive Fiberglass Adhesive Tape: Size: 0.5" x 108' (13mm x 38m) Temp Limit: 350°F (176°C)
AAT260	Aluminum Adhesive Tape: Size: 2" x 180' (51mm x 55m) Temp Limit: 350°F (176°C)
AAT2180	Aluminum Adhesive Tape: Size: 2" x 180' (51mm x 55m) Temp Limit: 550°F (288°C)



Pipe Standoff

Cast aluminum fitting.

Part Number	Description
PSOCAB010	1.00" thread



Pipe Straps

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

Part Number	Description
BPSCAB2-6	Adjustable from 2" to 6" (51 x 152mm)



Caution Label

Required by code for every 10ft (3m) of pipe.

Part Number	Description
BCLCAB	Electrical heat trace warning label



RTV Sealant

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

Part Number	Description
RTV3.0	3 oz. (89ml)



Heat Conductive Putty


Used to fill voids between cable and pipe surface.


Part Number	Description
HCP1	Size: 1 lb. (0.5kg)
HCP3	Size: 3 lb. (1.4kg)



Junction Box

Metallic Junction Box with 1" (25mm) NPT thread. Includes watertight cover and 3/4" (19mm) NPT adaptor. Suitable for use in ordinary, wet locations with gasket when cover is closed. NEMA FB-1.

 Listed File No. E3397 (UL 514A Standard)

 Certified File No. LR11852 (CSA C22.2 No. 18 Standard)

Part Number	Description
JBM001	Single hub Dimensions: 2 7/8" X 4 5/8" X 2 7/8" (73 x 117 x 73mm)
JBM002	Double hub Dimensions: 2" X 4 5/8" X 2 7/8" (51 x 117 x 73mm)

Hazardous-Area Rated Junction Box available upon request.



Monitor Light Kit for BriskHeat® Heating Cable

Provides an end of circuit continuity indication for all types of heating cable. For use in ordinary locations.

Part Number	Description
MLK1001	Single hub; 120VAC
MLK2001	Single hub; 240VAC
MLK1002	Double hub; 120VAC
MLK2002	Double hub; 240VAC
MLBCAB001	120VAC replacement bulb
40180	240VAC replacement bulb



Insulation

Cost effective, flexible thermal insulation for pipes and vessels.

Part Number	Description
INS11050	Installs around 2.5" (66mm) O.D. pipes and smaller
INS15050	Installs around 4" (102mm) O.D pipes and smaller
INS48025	Installs around vessels and large diameter pipes