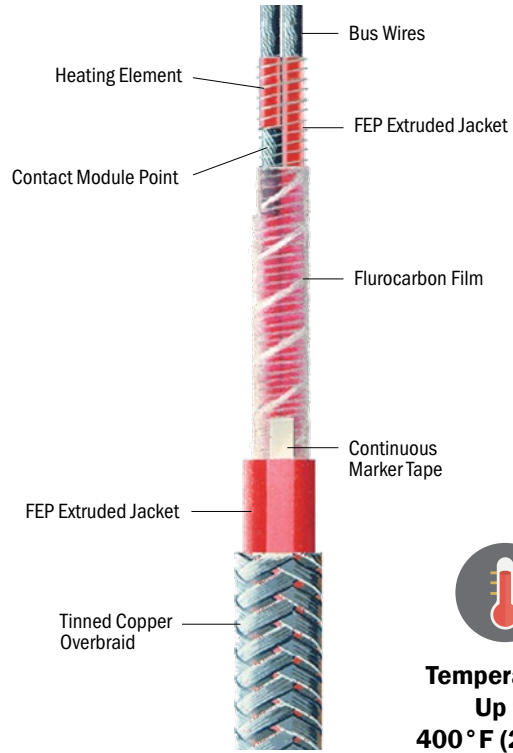


CONSTANT-WATTAGE HEATING CABLE

GENERAL PURPOSE CONSTANT-WATTAGE HEATING CABLE

- ▶ **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



**Temperatures
Up to
400° F (204° C)**

Specifications:

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

Minimum Bend Radius: 1.0 in (25 mm)

Bus Wires: 12 AWG

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

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

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

SA Tinned copper braid only
 Ordinary locations
 120, 240 VAC only

RoHS Compliant **CE**

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)

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.



Certificate of Compliance

Certificate: 2440884

Master Contract: 216815

Project: 2440884

Date Issued: August 20, 2012

Issued to: **BriskHeat Corp**
1055 Gibbard Ave
Columbus, OH 43201
USA
Attention: Doug Dietz

The products listed below are eligible to bear the CSA Mark shown



D. Hawkes

Issued by: D. Hawkes

PRODUCTS

CLASS 2872 01 - HEATERS - Cable and Cable Sets

Heating Cable Sets (usages G, W, S) – Constant Wattage parallel heating cable, type “FE-CAB”, with FEP insulation, FEP inner jacket, shielding, and optional FEP overall jacket, rated 120V ac and 240V ac, maximum continuous exposure temperature of 232°C max, 20A per circuit maximum, for use with supply lead and end connection kits: FE-CAB-KC, FE-CAB-UC, FE-CAB-SK, FE-CAB-EP, FE-CAB-LP.

- for embedded floor warming, soil heating, snow melting, roof de-icing, up to 12W/ft max.

- for pipe & vessel tracing, up to 18W/ft max.

Notes:

1. Installation in accordance with the Canadian Electrical Code Part I.
2. Manufacturer’s minimum recommended installation temperature: -30°C.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 130-03 - Requirements for Resistance Heating Cables and Heating Device Sets



FM Approvals
1151 Boston-Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781 762 9375 www.fmglobal.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

FE-CAB a-b B. Parallel Resistance Heat Trace Cable System.

S/II/2/BCD/T2D; S/II/2/FG/T2D; S/III/2/T2D

a = Watts Per Foot: 3, 5, 8 or 12.

b = Voltage: 120, 208, 240, 277 or 480.

Special Conditions of Use:

1. The maximum maintain temperature rating is 204°C (400°F), and the maximum exposure temperature (Power Off – continuous) rating is 204°C (400°F).
2. The FE-CAB electrical heat trace cable systems are designed for use with manufacturer's suitably rated FM Approved connection kits.

KK-CAB a-b. Parallel Resistance Heat Trace Cable System.

S/II/2/BCD/T2A; S/II/2/FG/T2A; S/III/2/T2A

a = Watts Per Foot: 4, 8, 12 or 18.

b = Voltage: 120, 208, 240, 277 or 480.

Special Conditions of Use:

1. The maximum maintain temperature rating is 260°C (500°F), and the maximum exposure temperature (Power Off – continuous) rating is 260°C (500°F).
2. The KK-CAB electrical heat trace cable systems are designed for use with manufacturer's suitably rated FM Approved connection kits.

KM-CAB a-b-c. Parallel Resistance Heat Trace Cable System.

S/II/2/BCD/T2A; S/II/2/FG/T2A; S/III/2/T2A

a = Watts Per Foot: 4, 8 or 12.

b = Voltage: 120, 208, 240, 277 or 480.

c = Bus Wire Size: 16 or 12.

Special Conditions of Use:

1. The maximum maintain temperature rating is 260°C (500°F), and the maximum exposure temperature (Power Off – continuous) rating is 260°C (500°F).
2. The KM-CAB electrical heat trace cable systems are designed for use with manufacturer's suitably rated FM Approved connection kits.





KE-CAB a-b. Parallel Resistance Heat Trace Cable System.

S/II/2/BCD/T2B; S/II/2/FG/T2B; S/III/2/T2B

a = Watts Per Foot: 4, 8 or 12.

b = Voltage: 120, 208, 240, 277 or 480.

Special Conditions of Use:

1. *The maximum maintain temperature rating is 260°C (500°F), and the maximum exposure temperature (Power Off – continuous) rating is 260°C (500°F).*
2. *The KE-CAB electrical heat trace cable systems are designed for use with manufacturer's suitably rated FM Approved connection kits.*

Equipment Ratings:

Suitable apparatus for use in Class I, Division 2, Groups B, C and D; suitable for use in Class II, Division 2, Groups F and G; and suitable for use in Class III, Division 2; hazardous (classified) locations and unclassified locations.

Approved for:

BH Thermal Corporation
1055 Gibbard Avenue
Columbus, OH 43201



This certifies that the equipment described has been found to comply with the following FM Approval Standards and other documents:

Class 3600	1998
Class 3611	1999
Class 3810	1989
Supplement 1	1995
IEEE 515	1997

Original Project ID: 3011316

FM Approval Granted: September 2, 2004

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
050601	<i>JUNE 24, 2005</i>		

FM Global Technologies LLC

Roger L. Allard
Assistant Vice President
FM Approvals

JUNE 24, 2005
Date