



# K17C

## ANTIFREEZE HEATING CABLES WITH CONSTANT POWER FOR ROAD RAMPS

- Suitable for laying under access ramps, parking lots, pavements and walkways
- Constant power delivered ~17 W/m
- They require control thermostats to be used



CODE	CABLE LENGTH	TOTAL POWER ABSORBED AT 230V	HEATED SURFACE WITH 130W/M	MINIMUM INSTALLATION ROOM TEMPERATURE	MAXIMUM ROOM TEMPERATURE
K17C29	30.42 m	510 W	3 m <sup>2</sup>	-5 °C	65 °C
K17C73	74.28 m	1260 W	6 m <sup>2</sup>	-5 °C	65 °C
K17C82	89.34 m	1530 W	7 m <sup>2</sup>	-5 °C	65 °C
K17C102	101.98 m	1750 W	9 m <sup>2</sup>	-5 °C	65 °C
K17C129	124.58 m	2200 W	11 m <sup>2</sup>	-5 °C	65 °C

### HOMOLOGATION AND STANDARDS



### OPERATION

- The heating cables consist of a coil-wound resistance on two conductors. The resistance is in contact with the conductors through splicing points at constant intervals; the energy to heat the resistance is drawn at the splicing points;
- The heating cables are supplied in reels of standard length that cannot be cut or stretched;
- They require L03BM1A type control thermostats.

## **INSTALLATION**

- The two ends of the cable must be connected to the phase and to the neutral in a special junction box;
- Along its path, the cable must not overlap and the original length must not be cut;
- It is recommended to use a sturdy flexible sheath to protect the terminals and cold tails and for the branches to be easily inspected after installation;
- The cable will be laid at a depth of 50 mm in a bed of sand and cement with a serpentine path with a 100 mm pitch, therefore it is advisable to form a path by securing the cable with KJSSP spacing bars;
- It is advisable to apply an insulating coating over the heating cable for a correct installation.



## **ELECTRICAL FEATURES**

Power supply	230V-50Hz
Constant power delivered	~17W/m
Total power absorbed at 230V	K17C29 510 W
	K17C73 1260 W
	K17C82 1530 W
	K17C102 1750 W
	K17C129 2200 W

## GENERAL FEATURES

Cable composition	<ul style="list-style-type: none"> <li>■ 2 conductors in solid copper and tinned copper</li> <li>■ Outer sheath in PVC</li> <li>■ Aluminium foil shielding</li> <li>■ Tinned copper sheath</li> </ul>										
The heating cable includes	<ul style="list-style-type: none"> <li>■ 1 standard length of heating cable</li> <li>■ 2 cold tails</li> </ul>										
Cable length	<table border="0"> <tr> <td>K17C29</td> <td>30.42 m</td> </tr> <tr> <td>K17C73</td> <td>74.28 m</td> </tr> <tr> <td>K17C82</td> <td>89.34 m</td> </tr> <tr> <td>K17C102</td> <td>101.98 m</td> </tr> <tr> <td>K17C129</td> <td>124.59 m</td> </tr> </table>	K17C29	30.42 m	K17C73	74.28 m	K17C82	89.34 m	K17C102	101.98 m	K17C129	124.59 m
K17C29	30.42 m										
K17C73	74.28 m										
K17C82	89.34 m										
K17C102	101.98 m										
K17C129	124.59 m										
Heated surface with 170W/m <sup>2</sup>	<table border="0"> <tr> <td>K17C29</td> <td>3 m<sup>2</sup></td> </tr> <tr> <td>K17C73</td> <td>6 m<sup>2</sup></td> </tr> <tr> <td>K17C82</td> <td>7 m<sup>2</sup></td> </tr> <tr> <td>K17C102</td> <td>9 m<sup>2</sup></td> </tr> <tr> <td>K17C129</td> <td>11 m<sup>2</sup></td> </tr> </table>	K17C29	3 m <sup>2</sup>	K17C73	6 m <sup>2</sup>	K17C82	7 m <sup>2</sup>	K17C102	9 m <sup>2</sup>	K17C129	11 m <sup>2</sup>
K17C29	3 m <sup>2</sup>										
K17C73	6 m <sup>2</sup>										
K17C82	7 m <sup>2</sup>										
K17C102	9 m <sup>2</sup>										
K17C129	11 m <sup>2</sup>										
Minimum installation room temperature	-5 °C										
Maximum room temperature	65 °C										
Minimum storage room temperature	-20 ÷ -25°C										

## ACCESSORIES



### KBE3A

JUNCTION BOX IN INSULATING MATERIAL

- Protection rating IP54 with 5 4mm<sup>2</sup> terminals.
- 7 PG16 threaded holes closed by a breakable diaphragm.
- Maximum temperature withstood is 80°C.



### KSUPP-A

SUPPORT FOOT FOR THE KBE3A JUNCTION BOX

- It allows the cable to pass through the protective coating of the pipe and to enter directly into the junction box.
- It consists of a Ø 22 L 80 mm pipe with a welded 15x15x60 mm bracket and two clamps.
- The pipe is in cadmium-plated steel with a Pg16 thread.



### KJSSP

SPACING BARS

- They must be placed every 0.5 m to secure the cable and build a rational track
- They are made of 1m long steel and can be joined together to form a lattice.
- The cable will be secured neatly and at intervals of 25 mm or its multiples.



### L03BM1A

ON/OFF THERMOSTAT - PROPORTIONAL - P.I.D. AT 1 OUTLET

- DIN rail mounting
- 1 probe NTC10K



### L04BM2A

ON/OFF THERMOSTAT

- 2 outputs
- Wall-mounting



### L23EM1A

ON/OFF HUMIDISTAT

- DIN rail mounting.



### L24EM2

HUMIDISTAT

- Wall-mounting



### LS160A

PROBE FOR HUMIDISTAT L23EM1A