

SPECIFICATIONS

Xcable™ CK-17

In-Screed Electric Heating Cable (c/w Single Cold Tail)



Devex Systems' Xcable™ CK-17 twin conducting electric floor heating cables features fluoro-polymer and PVC outer sheath. The cable may be used on a structural slab, a fibre cement sheet or F-Board insulation, as well as into a 20-25mm screed bed. This system is suited to a flat rate or "Time of Use" tariff, to quickly reach the desired temperature. The X cable is rated at 17 watts per meter and comes with a 3m single cold tail. The cold tail length can also be customised to fit your needs. The cables comply with IEC 60800:2009.

We recommend the use of F-Board Insulation with electric floor heating to improve warm up times and reduce running costs.

- 20 year warranty
- Output power based on 230 volts
- Maximum Operating Temperature: +70°C

TECHNICAL FEATURES

CONSTRUCTION

| | |
|----------------------|--|
| Cable core | Twin conductor; single strand |
| Insulation | Fluoro-polymer first layer around each core with both cores embedded in a cross-linked polyethylene second layer |
| Protection screen | Aluminium foil with copper drain wire |
| Outer Sheath | PVC |
| Outer cable diameter | 5.0 - 5.4mm |

MECHANICAL PROPERTIES

| | |
|------------------------|--------|
| Minimum Bending Radius | 40mm |
| Pulling Strength | 300N |
| Deformation Strength | 1,500N |

APPLICATION

| | |
|---|---|
| In-screed heating on concrete floors (20-25mm) | ✓ |
| In-screed heating on FC sheet (20-25mm) | ✓ |
| Freezers (frost heave protection) | ✓ |
| Frost protection | ✓ |
| Ice and snow melting | ✓ |
| Heating directly under tiles | x |
| Heating in floors with thin levelling bed (≤15mm) | x |
| Heating of wooden floors (≤15mm) | x |
| In-slab (storage) heating in concrete floors | x |

HEATING PROPERTIES

| | |
|------------------------------|-------|
| Max Permitted Operating Temp | +70°C |
| Min Installation Temperature | -5°C |

ELECTRICAL PROPERTIES

| | |
|-----------------|-------|
| Rated Voltage | 230V |
| Watts Per Meter | 17W/m |

AVAILABLE SIZES

| Code No | Output | Resistance | Description * |
|---------|---------|------------|---------------|
| A1B001 | 125W | 423 Ohm | 8m |
| A1B002 | 188 W | 281 Ohm | 12m |
| A1B003 | 250 W | 212 Ohm | 16m |
| A1B004 | 313 W | 169 Ohm | 20m |
| A1B005 | 375 W | 141 Ohm | 24m |
| A1B007 | 516 W | 103 Ohm | 31m |
| A1B008 | 641 W | 83 Ohm | 39m |
| A1B009 | 766 W | 69 Ohm | 47m |
| A1B011 | 1,032 W | 51 Ohm | 62m |
| A1B013 | 1,299 W | 41 Ohm | 77m |
| A1B014 | 1,548 W | 34 Ohm | 93m |
| A1B015 | 1,815 W | 29 Ohm | 108m |
| A1B016 | 2,081 W | 25 Ohm | 123m |
| A1B018 | 2,597 W | 20 Ohm | 154m |
| A1B019 | 3,114 W | 17 Ohm | 185m |
| A1B020 | 3,647 W | 15 Ohm | 215m |

*All sizes include an In-Screed Electric Heating Cable with 3m Single Cold Tail.