

## SPECIFICATIONS

# Xcable™ CT-30

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



Devex Systems' Xcable™ CT-30 electric floor heating cables can be installed into the concrete slab under a wide range of floor coverings. The CT-30 has a very low EMF and its single cold tail makes it easy to install. The CT-30 is most suited to be connected to an "Off-Peak" or "Time of Use" tariff as an in-slab storage heating system. The cable's steel armour and multiple layers of conductor insulation makes the CT-30 extremely durable and can also be used for snow melting. The cable is rated to 30 watts per meter and comes with a single 3m 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 Extruded Polystyrene (XPS) Insulation with electric in-slab heating to improve warm up time 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; multistranded
Insulation	Two layers of PET foils and a layer of Fluoro-polymer around each core with both embedded in a cross-linked polyethylene second layer
Protection screen	Armoured steel braid
Outer Sheath	PVC
Outer cable diameter	5.8 - 6.7mm

### MECHANICAL PROPERTIES

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

### APPLICATION

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

### HEATING PROPERTIES

Max Permitted Operating Temp	+70°C
Min Installation Temperature	-15°C

### ELECTRICAL PROPERTIES

Rated Voltage	230 V
Watts Per Meter	30W/m

## AVAILABLE SIZES

Code No	Output	Resistance	Description*
A1C001	300 W	176 Ohm	10m
A1C002	450 W	118 Ohm	15m
A1C003	600 W	88 Ohm	20m
A1C004	810 W	65 Ohm	27m
A1C005	1,050 W	50 Ohm	35m
A1C006	1,500 W	35 Ohm	50m
A1C008	2,100 W	25 Ohm	70m
A1C010	2,700 W	20 Ohm	90m
A1C012	3,600 W	15 Ohm	120m
A1C013	4,500 W	12 Ohm	150m

\* All sizes include a Slab Heating Cable with 3m Single Cold Tail.