

SPECIFICATIONS

Xcable™ CF

Freezer Bulk Electric Heating Cable



The Xcable™ CF, a single conducting electric cable, double insulated with PET foil and PEX layer, features an earth screen of drain-wires and aluminum foil embedded in a PVC sheath. Although the CF cables were designed for freezer applications, they may also be used for in-screed floor heating. The cables come in bulk, but can be terminated for specific lengths. The CF cables comply with IEC 60800:2009.

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

TECHNICAL FEATURES

CONSTRUCTION

Cable core	Single 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
Maximum watts per meter	20W/m

AVAILABLE SIZES

Code No	Cable Diameter	Resistance Ohm/m	Description
A1D901	4.5	39.0	Single wire
A1D902	4.2	18.1	Single wire
A1D903	4.2	10.4	Single wire
A1D904	4.2	5.89	Single wire
A1D905	4.2	3.69	Single wire
A1D906	4.2	2.59	Single wire
A1D907	4.2	1.64	Single wire
A1D908	4.2	1.15	Single wire
A1D909	4.2	0.84	Single wire
A1D910	4.2	0.65	Single wire
A1D912	4.2	0.47	Single wire
A1D913	4.2	0.36	Single wire
A1D915	4.2	0.23	Single wire
A1D916	4.2	0.148	Single wire
A1D917	4.2	0.103	Multistrand
A1D919	4.5	0.076	Multistrand
A1D921	4.5	0.05	Multistrand
A1D922	4.9	0.037	Multistrand
A1D923	4.9	0.026	Multistrand

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