

DURABASE CI-H/DEVI

EASY SELECTION GUIDE

DURAL

This Easy Selection Guide helps you select the right DEVI heating cable length for your floor project.



TO SELECT THE CORRECT CABLE LENGTH, YOU SHOULD KNOW:

- Type of the room (bathroom, kitchen etc.)
- Size of the area to be heated, m²
- Flooring type — tiles / natural stone allowed with CI-H
- Subfloor — old ceramic tiling / OSB boards / cracked floor screed



Based on the provided inputs, the recommended power outputs for comfort floor heating systems, considering floor construction, insulation levels, surface types, room air temperature, and individual user preferences, are:



Dry rooms,
thermal insulated floors

≥100 W/m²



Floors without
thermal insulation

130-160 W/m²



Wet rooms

150-180 W/m²

IMPORTANT:



The required power output can be achieved by adjusting the cable installation within the membrane. Installing the cable more densely within the membrane increases the power output, while a looser installation decreases it. Below are recommendations for five different cable installation distances and their impact on power output.

- At spacing of 2 studs – **167 W/m²**
- At continuously alternating between 2-3 studs – **133 W/m²**
- At spacing of 3 studs – **111 W/m² = Standard distance**
- At continuously alternating between 3-4 studs – **95 W/m²**
- At spacing of 4 studs – **83 W/m²**

Use the cable selection table to determine the appropriate cable length based on the area size to be heated and the required power output

SOLUTION

Area to be heated in m ²	83 W/m ²	95 W/m ²	111 W/m ²	133 W/m ²	167 W/m ²
1	–	10	10	–	–
1,5	10	–	–	20	–
2	20	20	20	28	10+20
2,5	20	–	28	10+20	41
3	–	28	10+20	41	50
3,5	28	10+20	10+28	20+28	57
4	10+20	10+28	41	50	70
4,5	10+28	41	50	57	70
5	41	20+28	57	70	81
5,5	20+28	50	20+41	70	90
6	50	57	70	81	100
6,5	57	20+41	81	90	50+57
7	57	70	81	90	41+70
7,5	20+41	70	81	100	129
8	70	20+57	90	50+57	129
8,5	70	81	90	40+71	142
9	20+57	28+57	100	57+57	70+81
9,5	81	90	50+57	129	70+90
10	81	41+57	50+57	129	170
10,5	90	100	41+70	142	90+90
11	90	50+57	50+70	57+90	90+90
11,5	41+57	50+57	129	70+81	90+100
12	100	57+57	129	81+81	100+100
12,5	50+57	50+70	142	170	81+129
13	50+57	129	142	170	90+129
13,5	41+70	129	70+81	90+90	90+129
14	50+70	129	81+81	90+100	100+129
14,5	50+70	70+70	81+81	90+100	100+142
15	129	70+81	170	100+100	81+170
15,5	129	70+81	170	81+129	129+129
16	129	70+81	90+90	81+129	129+142

* Above calculation it based in +/- 10% tolerance on the power output on each column.

Studs	Performance	
2	167 W/m ²	
2-3	133 W/m ²	
3	111 W/m ²	
3-4	95 W/m ²	
4	83 W/m ²	

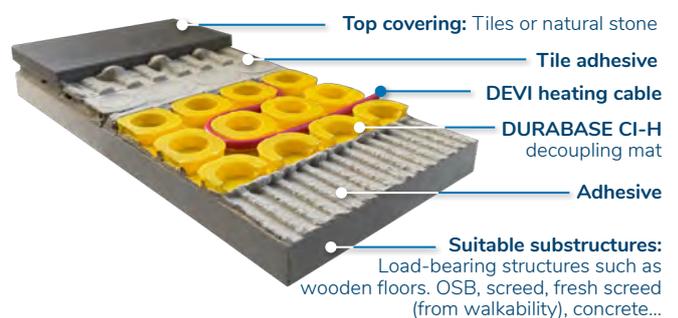
DEVICOMFORT™ 10T

CABLE LENGTH IN METERS

10 m	81 m
20 m	90 m
28 m	100 m
41 m	129 m
50 m	142 m
57 m	170 m
70 m	



SYSTEM STRUCTURE DURABASE CI-H WITH HEATING CABLE



Note! Always install the thermostat and floor temperature sensor together with the heating cables. Use the thermostat to limit the power output of the cable.

Tip! Even if a sensor defect is rare, we recommend blind installation of the optional additional sensor in the CI-H decoupling mat and in the empty conduit.