

Membrane is selected according to the size of the area to be tiled.

Heating cable is selected according to the size of the area to be heated. Be sure to measure the heated area accurately. The allowable heated area is limited by the minimum required spacing from fixed elements such as:

- Walls = 3" (75 mm)
- Fixed cabinets = 2" (50 mm)
- Heat sources (baseboard heaters, fireplaces, forced air heating ducts, etc.) = 8" (200 mm)
- Floor drains = 6" (150 mm)

Select a heating cable close to, but not more than the amount determined in step 3 below. Do not purchase a heating cable the same size as the area to be tiled; this will be too much heating cable.

Combining Cables

Two DITRA-HEAT-E-HK heating cables can be connected in parallel and controlled by a single DITRA-HEAT-E-R thermostat if the total current is less than 15 amps. This work must be performed by a qualified electrician in accordance with applicable electrical and building codes.

Multiple DITRA-HEAT-E-HK heating cables over 15 amps cannot be connected to a single DITRA-HEAT-E-RT/-RSD/-R thermostat. Additional DITRA-HEAT-E-RT/-RSD/-R thermostats must be used or the DITRA-HEAT-E-RT/-R may be combined with the DITRA-HEAT-E-RR power modules.

IMPORTANT: HEATING CABLES CANNOT BE CUT TO FIT

Never install the heating cable under vanities, bathtub platforms, kitchen cabinets or any other fixtures or in closets. Excessive heat will build up in these confined spaces and may cause cable overheating.

Do not install heating cables where area rugs and furniture will be placed directly onto the heated floor. Placement of items directly onto the heated floor will prevent heat diffusion (i.e., air circulation) and could result in damage.

Step 1

Draw the room on the other side of this sheet.

Step 2

Measure areas where the membrane will be installed. The total will tell you how much DITRA-HEAT or DITRA-HEAT-TB membrane is required.

Area	Dimensions	Total
A ₁		
A ₂		
A ₃		
A ₄		
Grand Total Membrane		

Step 3

Measure areas where the heating cable is to be installed. The total will tell you how much DITRA-HEAT-E-HK heating cable is required.

Area	Dimensions	Total
B ₁		
B ₂		
B ₃		
B ₄		
Grand Total Heating Cable		

EXAMPLE:

DITRA-HEAT or DITRA-HEAT-TB Membrane

$$= A_1 + A_2$$

$$= (5.5 \times 4.5) + (7 \times 5.5)$$

$$= 24.75 + 38.5$$

DH or DHTB = 63.25 ft²

DITRA-HEAT-E-HK Heating Cable

$$= B_1 + B_2 + B_3$$

$$= (2 \times 6) + (2.5 \times 7.75) + (2.75 \times 1.5)$$

$$= 12 + 19.4 + 4.1$$

DHEHK = 35.5 ft²



Schluter®-DITRA-HEAT Calculation Sheet

