ANTI-FREEZE PROTECTION OF RAMPS AND PAVEMENTS WITH SELF-REGULATING HEATING CABLES



Installation example



- The heating cable is fixed directly to the electro-welded grid by common plastic cable ties
- Generally applied longitudinally to the running direction, with a pitch of about 15–20 cm
- The heating cable must be laid edgewise (see figure), for easy bending at the time of installation
- The STUHTC1 combined sensor must be positioned on a flat part of the ramp, without any sloping, possibly in the coldest part of the area affected by heating



60–100 cm



Self-regulating heating cable

for anti-freeze protection of ramps and pavements



APPLICATIONS

- Defrosting and snow and ice melting on access ramps and outdoor surfaces used by pedestrians or vehicles
- Can be installed under concrete, brick paving, porphyry

FEATURES

- Outer sheath colour: grey
- Degree of protection: IP 66 (EN 60529)





ref.	item	Nominal power output at 0 °C — (W/m) *	max contact	temperature	minimum	min./ mult. ord. (m)
			continuous	intermittent	temperature	
НТСЗЗН	НТС33Н	50	6E oC	85 °C	-40 °C	10
HTC50H	HTC50H	90	05 °C			10

* For installation under concrete

Power rating

HTC-H



Nominal power output versus temperature graph

Туре Self-regulating

Supply voltage 230 Vac

Conductor Cross-section 0.8 mm² (18 AWG)

Maximum intermittent exposure temperature 85 °C

Maximum continuous exposure temperature 65 °C

Sizing table

		circuit breaker current rating					
		16 A	20 A	30 A	40 A	50 A	
ref.	initial start-up temperature	maximum cable circuit length * (m)					
НТСЗЗН	+10 °C	68	84	127	169	-	
HTC50H	–15 °C	-	-	73	98	122	

Estimated values for installation with type C curve and 30 mA ground-fault circuit breaker

> Cable cross dimensions 11.5 × 6.3 mm

Minimum bend radius 40 mm (at -40°C)