# IT-H

Quartz-glass insulated heating tape

Isopad IT-H heating tape is suitable where high power input is needed or where work has to be carried out at high temperatures.

The high-quality quartz glass allows a working element temperature of up to 900°C. This tape should only be used in dry atmospheres with additional electrical protection and always with a temperature regulator.

Woven quartz-glass

Quartz-glass

Coiled heating conductor
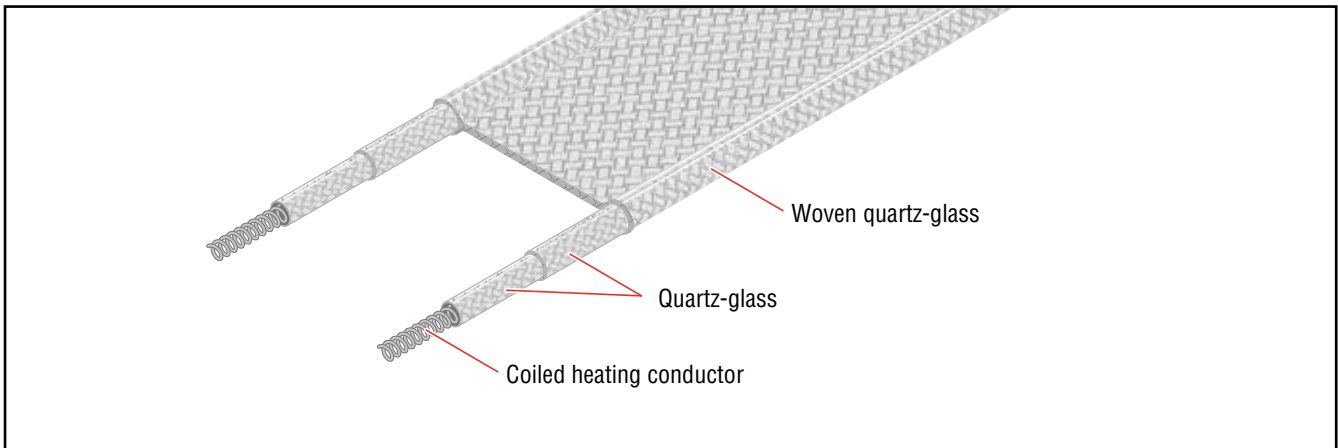
Area Specifications

Area classification	Nonhazardous, ordinary area
Ingress protection	IP20
Electrical protection class	See note
Maximum withstand temperature (power off)	900°C
Storage temperature	−40 to +50°C
Minimum installation temperature	−50°C

Note: These are components for further installation. The protective arrangements of Protection Class I or Class II must be followed during installation of the components and are the responsibility of the assembly company. Please refer to the manual for further information.

Standard Manufacturing Sizes

Width	30 mm ±10%
Thickness	6 mm ±10%

Heater Construction

Type	Resistance heating cable
Material	Nickel-chrome-alloy
Material of insulation	Quartz-glass
Material of outer sheath	Woven quartz-glass

Lead Connection

Connection length	0.35 m
Cross section	2 x 1.5 mm^2
Maximum operating temperature	450°C
Insulation material	Glass-silk

Technical Data

Frequency	50-60 Hz
Nominal operating voltage	230 Vac
Power per meter	Maximum 380 W/m
Maximum operating temperature	900°C
Minimum bend radius	15 mm
Minimum spacing	5 m

Ordering Information

	Part number	Length[1] (m)	Nominal Power[2] (W)	Nominal Voltage (Vac)
Outer lengths and power specifications, etc., available upon request	740644-000	0.5	180	230
	802236-000	1.0	380	230
	433904-000	1.5	540	230
	965602-000	2.0	760	230
	890228-000	2.5	930	230
	444118-000	3.0	1090	230

[1] Tolerances   <2000 mm ± (1% + 50 mm)
                  >2000 mm ± (2% + 100 mm)
[2] Tolerances   ±10%