Phoenix Thermal Supply

We offer the most expedited shipping of in stock PTSHEAT flexible heaters in the market.

Hotflex Ø 6.5

Diameter: 6.5 +/-0.1 mm

Sheath material: stainless steel

Sheath temperature of heating element: max. 700 C

Connection voltage: max. 250 V, standard: 230 V

Wattage tolerance: +/-10%

High voltage resistance (cold): 1,000 V-AC in straight condition

Insulation resistance (cold): 5 M at 500 V-DC

Leakage current (cold): 0.5 mA at 253 V-AC

Max. total length straight: 1,500 mm

Extension factors: By bending and fitting the hotflex becomes slightly longer. This extension is reproducible. Sheath surface load: max. 10 W/cm2 according to application (depending on heated length)

Minimum bending radius: Rmin = 6.5 mm (internal) Connection options: M 2.5 with set of nuts and washers made of stainless steel.

Phoenix Thermal Supply

Hotflex 8,0

Sheath material: Stainless Steel Sheath

temperature of heating element: Max. 700 C.

Voltage: 240 V.

power tolerance (cold) +/- 10 %.

High voltage strength (cold) in straight condition: 1000 V-AC.

Insulation resistance (cold) at 500 V-DC 5 M ohms

Leakage current (cold) at 253 V-AC 0,5 mA

Max. Length straight 2600 mm.

Length tolerance straight: +/- 1,5 %

Sheath surface load: Max. 15 W/cm2 (according to application).

Minimum bending radius (internal): R = 10 mm.

Unheated zones: Min. 30 mm/30 mm +/- 5 mm.

Not bendable zones: Min. 35 mm/35 mm.

Connection options: M4 with set of nuts and washers made of stainless steel.

Extension factors: by bending and fitting the Hotflex, it becomes slightly longer. This extension is reproducible.

Note: Multi bending at the same point could damage the Hotflex!

Hotflex Ø 8.5

Diameter: 8.5 +/-0.1 mm, 8.0 +/-0.1 mm resp. 8.2 +/-0.1 mm on option.

Sheath material: stainless steel

Sheath temperature of heating element: max. 700 C

Connection voltage: max. 250 V, standard: 230 V

Wattage tolerance: +/-10%

High voltage resistance (cold): 1,000 V-AC in straight condition

Phoenix Thermal Supply

Insulation resistance (cold): 5 M at 500 V-DC

Leakage current (cold): 0.5 mA at 253 V-AC

max. total length straight: 2,600 mm

Extension factors by bending and fitting the hotflex becomes slightly longer. This extension is reproducible.

Sheath surface load: max. 15 W/cm2 according to application (depending on heated length)

Minimum bending radius: Rmin = 10 mm (internal)

Connection options: M 2.5 with set of nuts and washers made of stainless steel.

Hotflex / Q 6x6

Profile: 6 x 6 +/- 0.1 mm

Sheath material: stainless steel

Phoenix Thermal Supply

Sheath temperature of heating element: max. 700 C

Connection voltage: max. 250 V, standard: 230 V

Wattage tolerance: +/- 10%

High voltage resistance (cold): 1,000 V-AC in straight condition

Insulation resistance (cold): 5 M at 500 V-DC

Leakage current (cold): 0.5 mA at 253 V-AC

Max. total length straight: 1,500 mm

Extension factors: By bending and fitting the hotflex becomes slightly longer. This extension is reproduceable.

Sheath surface load: max. 10 W/cm2 according to application (depending on heated length)

Minimum bending radius: Rmin = 6.5 mm (internal)

Connection options: M 2.5 with set of nuts and washers made of stainless steel.

Hotflex/Q 8 x 8

Profile: 8 x 8 +/-0.1 mm,

Sheath material: stainless steel

Sheath temperature of heating element: max. 700 C

Phoenix Thermal Supply

Connection voltage: max. 250 V, standard: 230 V

Wattage tolerance: +/- 10%High voltage resistance (cold): 1,000 V-AC in straight condition

Insulation resistance (cold): 5 M at 500 V-DC

Leakage current (cold): 0.5 mA at 253 V-AC

Max. total length straight: 2,600 mm

Extension factors: By bending and fitting the hotflex becomes slightly longer. This extension is reproduceable.

Sheath surface load: max. 15 W/cm2 according to application (depending on heated length)

Minimum bending radius: Rmin = 10 mm (internal)

Connection options: M 2.5 with set of nuts and washers made of stainless steel.

Connection Options

Ceramic terminal connector “plug'n heat”

B 14 x H 21 x T 25 mm

Ready for installation

Phoenix Thermal Supply

No additional insulation necessary

Heat resistant up to 230 C in continuous operation (max. up to 280 C).

Only for hotflex 8.5 and hotflex/Q 8 x 8.

Threaded pins

M 2.5 with set of nuts and washers made of stainless steel.

M 4 with set of nuts and washers made of stainless steel (only at hotflex 8.5 and hotflex/Q 8 x 8.

Plain Ni-leads

With ceramic beads insulation

External mounted leads

Glass silk insulated Ni-leads, multiwire (also with cable socket for M 4)

PTFE insulated Ni-leads, multiwire

Silicon insulated Ni-leads, multiwire

High temperature leads

High temperature mineral fibre insulated Ni-leads, multiwire – with tube section (ceramic sealed)

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Flat plug (W = 6.3 mm)