



Heating Cords & Tapes

HT & HC Series for surface heating

The HT and HC series of Heating Tapes and Cords are a range of flexible resistance heater elements for use in a wide range of commercial/industrial surface heating applications. Once the Heating Tape /Cord has been installed around the item to be kept at an elevated temperature, it is recommended that it is connected to one of Electrothermal's MC controllers.

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HC1

Glass fibre cords

HC1 Glass Fibre Cords are ideal for indoor use for dry metal and glassware applications which require observation; they are especially suited to high temperature, high wattage applications.

HC1 Glass Fibre Cords have an element wound on a glass fibre core and covered in braided glass fibre outer sheath. They are available in different lengths to accommodate a broad range of temperatures up to 450°C. As with all the tapes and cords, the use of an energy or temperature controller is recommended.

Ordering Information

Model	Length, mm	Electrical Requirements
HC101	305	230V, 60W
HC101X1	305	115V, 60W
HC102	610	230V, 120W
HC102X1	610	115V, 120W
HC103	1220	230V, 240W
HC103X1	1220	115V, 240W
HC104	2440	230V, 480W
HC104X1	2440	115V, 480W
HC105	4880	230V, 960W
HC105X1	4880	115V, 960W
HC106	9760	230V, 1920W

Please note: Outside diameter approx. 5mm

Key Features

- For high wattage applications
- Operational temperature range up to 450°C
- Cord is spiralled around the tube being heated to give a surface loading power concentration up to 4W/cm²
- Linear loading: 195W/m (60W/ft)
- Available in different lengths from 1 foot (30.5cm) to 32 feet (976cm)
- Insulated unheated flexible lead at each end (122cm)
- Approximate outside diameter of 5mm
- All models have dual voltage choice of 115V and 230V (except for the HC106 model which is available as 230V only)
- For use in dry conditions only
- Use of MC227 Single output controller, MC228 2-Way output controller or MC810B Digital controller is recommended



HC1



Key Features

Key features of both the HT7 and HT9 series

Glass Fibre Tapes

- Operational temperature range up to 450°C
- Cord is spiralled around the tube being heated to give a surface loading power concentration up to 0.62W/cm² (4W/in²)
- Linear loading: 164W/m (50W/ft)
- Available in different lengths from 2 feet (61cm) to 32 feet (976cm)
- Insulated unheated flexible lead at each end of 3.5in (9cm)
- Approximate width of 25mm
- All models have dual voltage choice of 115V and 230V (except for the HT75524, HT75532, HT95524 and HT95532 models which are available as 230V only)
- For use in dry conditions only
- Use of MC227 Single output controller, MC228 2-Way output controller or MC810B Digital controller is recommended

HT7 and HT9



HT7 and HT9 Series

Glass Fibre Tapes

HT7 and HT9 Glass Fibre Tapes are flexible heaters that are ideal for heating columns, pipes, valves and transfer lines, especially when these applications need to be observed. They can be applied to metal pipes as well as glassware.

Both HT7 and HT9 Series Glass Fibre Tapes have an element wound on a glass fibre core and covered in braided glass fibre outer sheath; the HT9 series additionally has a braided earth (ground) wire beneath the outer sheath.

They are available in different lengths to accommodate a broad range of temperatures with a maximum element temperature of up to 450°C. As with all the tapes and cords, the use of an energy or temperature controller is recommended.

Ordering Information

Model	Length, mm	Electrical Requirements
HT75502*	610	115 or 230V, 100W
HT95502*	610	115 or 230V, 100W
HT75503*	910	115 or 230V, 150W
HT95503*	910	115 or 230V, 150W
HT75504*	1220	115 or 230V, 200W
HT95504*	1220	115 or 230V, 200W
HT75506*	1830	115 or 230V, 300W
HT95506*	1830	115 or 230V, 300W
HT75508*	2440	115 or 230V, 400W
HT95508*	2440	115 or 230V, 400W
HT75512*	3660	115 or 230V, 600W
HT95512*	3660	115 or 230V, 600W
HT75516*	4880	115 or 230V, 800W
HT95516*	4880	115 or 230V, 800W
HT75524	7320	230V, 1200W
HT95524	7320	230V, 1200W
HT75532	9760	230V, 1600W
HT95532	9760	230V, 1600W

Please note: standard width 25mm

** Add X1 suffix for 115V tape*

HC5

Quartz fibre cords

HC5 Quartz Fibre Cords are ideal for indoor use for dry metal and glassware applications which require observation; they are especially suited to high temperature, high wattage applications.

HC5 Quartz Fibre Cords have a high temperature wire heating element wound on a quartz fibre core which is covered in a braided quartz fibre outer sheath. They are available in different lengths to accommodate a broad range of temperatures up to 800°C. As with all the tapes and cords, the use of an energy or temperature controller is recommended.

Ordering Information

Model	Length, mm	Electrical Requirements
HC501	305	230V, 100W
HC501X1	305	115V, 100W
HC502	610	230V, 200W
HC502X1	610	115V, 200W
HC503	1220	230V, 400W
HC503X1	1220	115V, 400W
HC504	2440	230V, 800W
HC504X1	2440	115V, 800W
HC505	4880	230V, 1600W

Please note: Outside diameter approx. 5mm

Key Features

- For high temperature, high wattage applications
- Operational temperature range up to 800°C
- Cord is spiralled around the tube being heated to give a surface loading power concentration up to 6.5W/cm²
- Linear loading: 328W/m (100W/ft)
- Available in different lengths from 1 foot (30.5cm) to 16 feet (488cm)
- Insulated unheated flexible lead at each end (61cm)
- Approximate outside diameter of 5mm
- All models have dual voltage choice of 115V and 230V (except for the HC505 model which is available as 230V only)
- For use in dry conditions only
- Use of MC227 Single output controller, MC228 2-Way output controller or MC810B Digital controller is recommended



HC5



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.