



# SPECIFICATION

**MAXIMUM EXPOSURE TEMPERATURE:** continuous 350°C (644°F)  
intermittant 425°C (797°F)

**MINIMUM INSTALLATION TEMPERATURE:** -65°C (-85°F)

**POWER SUPPLY:** 230 or 115VAC (nominal)  
*(voltages also available to order 24V to 1000V AC or DC)*

**WEIGHTS & DIMENSIONS:**

Type Ref	Dimensions (mm)+/-0.5	Weight kg/100m	Min Bending radius	Gland Size
RHT	10 x 7	16.5	25mm	M20

**ORDERING INFORMATION:**

Example: 220 RHT 2 - F  
 Output 220W/m \_\_\_\_\_  
 Rail heater RHT \_\_\_\_\_  
 Supply Voltage 230V AC \_\_\_\_\_  
 Fluoropolymer overjacket - (optional)\* \_\_\_\_\_

**IMPORTANT NOTES 1:**

The RHT range of rail heaters should only be fitted to rails using the manufacturer’s recommended and approved methods. The heating cables should only be terminated in accordance with the manufacturer’s instructions, in order to ensure the heaters integrity is not compromised.

When the heater is being used on 3rd/live rails, outer insulating jackets of fluoropolymer are available and are extruded over the outer metal jacket. \*This jacket will reduce the maximum withstand of the cable to 265°C (509°F).

Full details of all control and ancillary equipment is available on request.

**MAXIMUM CIRCUIT LENGTH:**

OUTPUT (W/m)	MAX. CIRCUIT LENGTH*		ZONE LENGTH (NOM)	
	115V	230V	115V	230V
100	16m	32m	<i>Zone lengths can vary. Contact HTL for information.</i>	
150	13m	26m		
220	11m	22m		

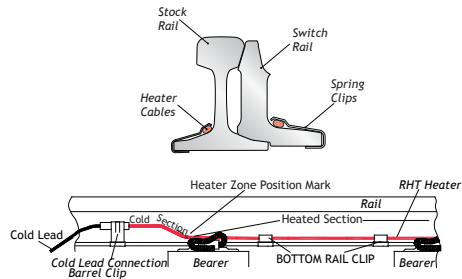
\* For 10% end-to-end power output variation

**POWER CONVERSION FACTORS:**

115V HEATING CABLE	230 HEATING CABLE
277V Multiply output by 5.80	277V Multiply output by 1.45
230V Multiply output by 4.00	240V Multiply output by 1.09
208V Multiply output by 3.27	220V Multiply output by 0.91
120V Multiply output by 1.09	208V Multiply output by 0.82
110V Multiply output by 0.91	115V Multiply output by 0.25

**IMPORTANT NOTES 2:**

When fitting the RHT range of rail heaters it is important to ensure that the rail profile reference is known. This is so that the right clips can be provided, to ensure correct fitment to the rail. The heaters need to be kept in contact with the rail, but still retain the ability to move longitudinally under normal expansion and contraction and to withstand the vibration and flexing of the rail during the expected operating conditions. It is recommended that clips are provided on either side of each bearer - as shown in the image below.



Recommended Heater & clip position (UIC60/60B rail)



Typical Heated Points Systems Milan, Italy.



Heat Trace Ltd, Mere’s Edge, Chester Road, Helsby, Frodsham, Cheshire, WA6 0DJ, England.  
 Tel: +44 (0)1928 726451 Fax: +44 (0)1928 727846  
 www.heat-trace.com email: info@heat-trace.com

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