RHT CE / RHT/U CE

RHT - Electrical heating cable for switch point and rail heating.

RHT/U - Electrical heating cable for mono rails and applications requiring earthed heaters.

RAIL & SWITCH POINT HEATER

Cut To Length - Parallel Resistance Constant Wattage Heating Cable

- *Outputs available up to 200W/m*
- *RHT - pre-terminated lengths up to 6 metres*
- *RHT & RHT/U - can also be supplied on reels for cutting to length as required*
- *Full range of controls and accessories*
- *Available for 110/120 and 220/240VAC*
- *Suitable for main rail switch points, high speed curves, mono rails and tramway systems*

FEATURES

Rail heater types RHT & RHT/U are constant watt output heating cables to BS6351 Grade 22 for use on main rail switch points, high speed curves, 3rd/live rails, mono rails and tramways.

RHT & RHT/U are designed to maintain the operational integrity of rail networks, ensuring that rail switch points operate satisfactorily during and running rails/tracks are kept clear of snow and ice during adverse weather conditions.

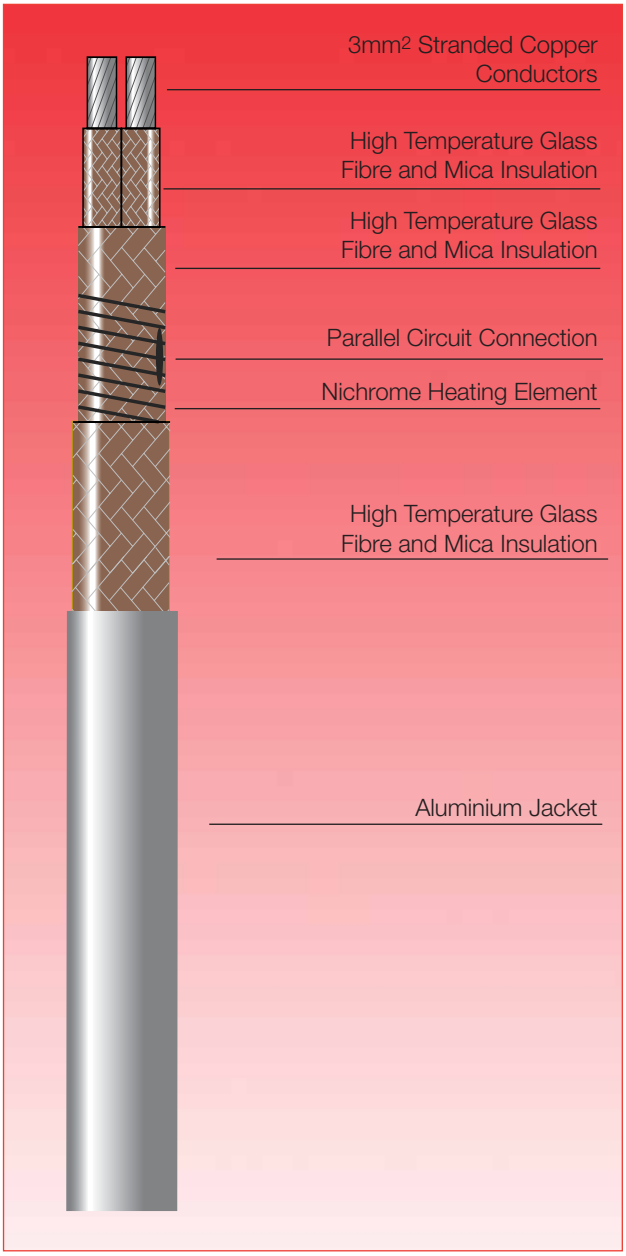
When used for switch point heating, RHT is supplied in standard lengths up to 6 metres, pre-terminated with a 1.5 metre cold lead and moulded anti-vibration plug assembly. It is suitable for direct replacement of existing strip heaters and integrates with the majority of existing switch point heating system components.

Unlike conventional mineral insulated, metal sheathed, series resistance heaters, RHT & RHT/U can also be supplied on a reel for cutting to length as required - eliminating the need for multiple length stock holding.

The installation of RHT & RHT/U heating cables is quick and simple and requires no special tools. The fitting of new or replacement heaters can be carried out quickly and safely with minimum track possession time and therefore minimum disruption to rail traffic. All system components are modular to ensure fast and simple installation.

RHT & RHT/U heating cables and system components are suitable for withstanding the hazards of a rail environment - such as severe and continuous vibration due to rail traffic, immersion in icy water, snow, weed killer formulations, diesel oils, lubrication oils, oxalic acid and de-icing fluids.

RHT & RHT/U cables are able to operate in “free air”, totally or partially, without affecting the working life of the heater.



SPECIFICATION

MAXIMUM TEMPERATURE	Un-energised	350°C (572°F)
MINIMUM INSTALLATION TEMPERATURE		–20°C (–4°F)
POWER SUPPLY		220 - 240 VAC *or* 110 - 120 VAC

CONSTRUCTION

Heating Element	Nickel Chromium
Power Conductors	Nickel Plated Copper 2.5mm^2
Conductor Insulation	Glass/Mica
Primary Insulation	Glass/Mica
Jacket	Aluminium

WEIGHTS & DIMENSIONS

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min. Bending radius (mm)
RHT	9.0 x 7.0	9	25

ORDERING INFORMATION

Example - pre-terminated lengths **200 RHT 1 - 6M**

- 200 — Nominal Output 200W/m
- RHT — Rail Heater type RHT
- 1 — Supply Voltage 110 - 120VAC
- 6M — 6m Heated length

Example - reel stock **200 RHT 2 - 100R**

- 200 — Nominal Output 200W/m
- RHT — Rail Heater type RHT
- 2 — Supply Voltage 220 - 240VAC
- 100R — 100m Length of heater on reel

ACCESSORIES

Heat Trace supply a complete range of accessories including, connector blocks, anti-vibration plugs, rail clips, control systems, power cabling. All accessory items and controls systems carry Railtrack UK approvals.

IMPORTANT NOTES

The **RHT & RHT/U** Rail Heater should only be fitted to rails using approved methods. The heating cable should only be terminated using the approved cold lead connection and the moulded rubber anti-vibration plug. The connector blocks must be of an approved type.

Where the heating cable is being used on live or third rails, the heater will be supplied with an outer insulating jacket of high temperature resistant fluoropolymer (MFA) - *this will reduce max withstand temperature to 265°C (509°F)*.

Full details of all approved ancillary and control equipment is available on request. Installation of the **RHT & RHT/U** heating cables must be carried out in accordance with Heat Trace's Code of Practice for the Installation of Rail and Switch Point Heating Systems.

MAXIMUM CIRCUIT LENGTH

OUTPUT (W/m)	MAX. CIRCUIT LENGTH* 115V	230V	ZONE LENGTH (NOM.) 115V	230V
100	16m	32m	contact your local Heat Trace representative for details.	
150	13m	26m		
200	11m	23m		

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

POWER CONVERSION FACTORS

115V HEATING CABLE	230V HEATING CABLE
125V Multiply output by 1.18	277V Multiply output by 1.45
120V Multiply output by 1.09	240V Multiply output by 1.09
110V Multiply output by 0.91	220V Multiply output by 0.91
100V Multiply output by 0.76	208V Multiply output by 0.82

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SETTING THE STANDARDS LEADING THE WAY

Mere's Edge, Chester Road, Helsby, Frodsham, Cheshire WA6 0DJ, UK
Tel: +44(0)1928 726 451 Fax: +44(0)1928 727 846 http://www.heat-trace.com

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