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ENGLISH

Data Sheet

Heating cable

RS stock numbers

55ºC_____6657475, 6657479, 6657488
65ºC_____6657481, 6657485, 6657494

RS Cut to length Hot Water heat tracing system

The **RS** heater cable is a parallel resistance, cut to length on site self regulating heating cable designed to compensate for heat losses from hot water distribution systems, as well as offering the option to disinfect periodically against Legionella.

The **RS** heater cable heating tape compensates for heat loss from hot water pipe work particularly where modern non-recalculating systems employing a single feed pipe are used. Feed pipe to hot taps cools rapidly under no-flow conditions and this can be overcome by tracing the pipe with heating tape under thermal insulation.

This will ensure that water is always available for draw-off at a constant temperature usually between 55ºC and 65ºC.

The **RS** heater cable heating tape adjusts heat output to equal the heat loss from the pipe work. As pipe temperature falls under no-flow conditions output increases. As the pipe temperature increases under hot water flow conditions so output decreases.

Features

- Cut to length
- Easy to terminate
- Suitable for internal and external heating applications

Specification

Location_____Non hazardous areas

Construction

Conductors_____Copper stranded 1.23mm²
Core_____Semi-conductive Polymer
Outer Sheath_____Polyolefin
Width_____12.5mm
Thickness_____5.5mm

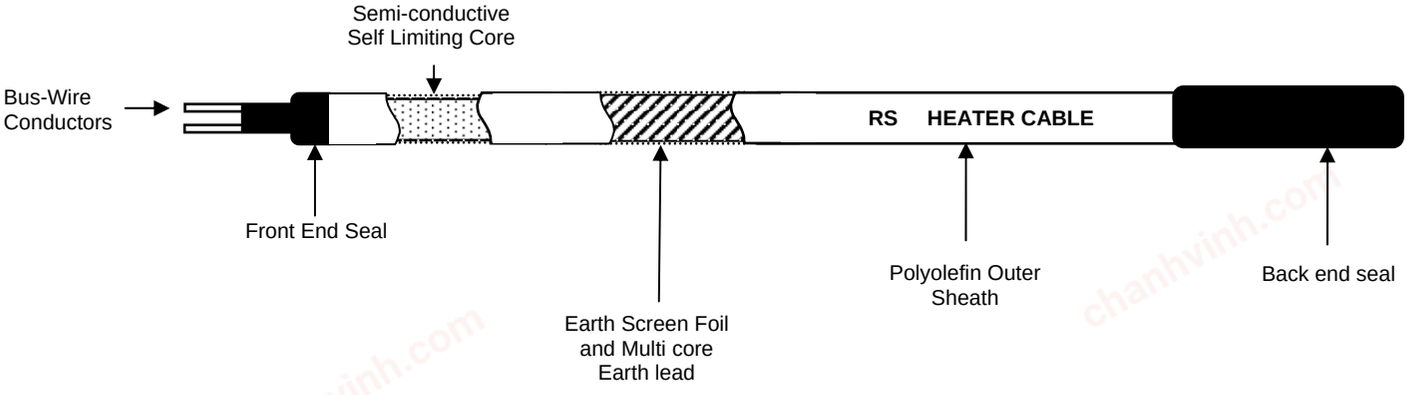
Withstand temperatures

Continuous_____100ºC
Intermittent_____120ºC

Ratings

Wattage

9watts/m @ 55ºC_____(**6657475, 6657479, 6657488**)
13watts/m @ 65ºC_____(**6657481, 6657485, 6657494**)
Supply voltage as standard_____240V



RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

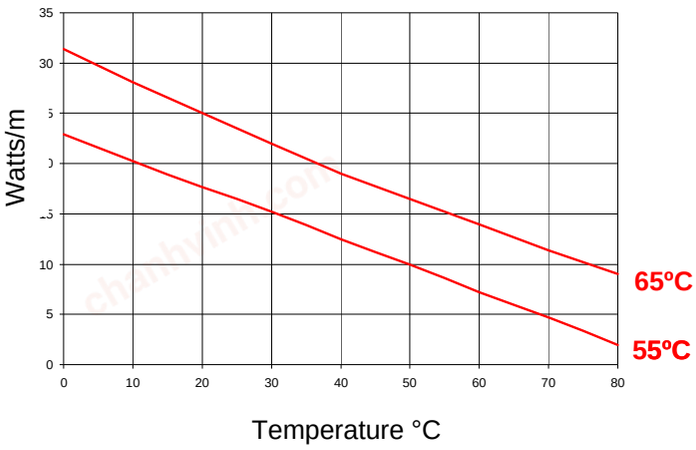
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Electrical

Circuit Breaker type C to EN60898
A 30mA trip Residual Current Circuit Device (RCCB) or Earth Leakage Circuit Breaker (ELCB) is recommended for use with heating tapes.

Output



Installation requirements

Assumed constant ambient of 18ºC

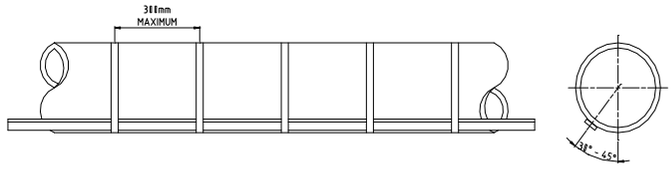
Thermal Conductivity = 0.035W/(m.K)

Pipe Size (mm)	Insulation Thickness (mm)
15	20
22	20
28	25
35	30
42	37
54	50

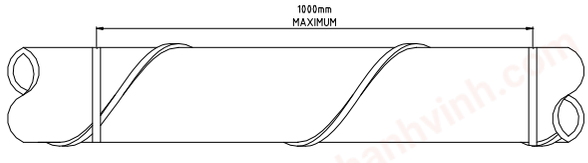
Installation

- Heating tape should be installed on clean, dry pipe free from burrs, weld splatter or any rough, sharp projections.
- Heating tape may be straight traced or spiralled along the pipe. If straight traced, the heating tape should be held in place with adhesive tape at 300mm intervals. For spiral tracing, fixing at 1m intervals is suitable.
- Use the correct adhesive tape suitable for the temperature application.
- A 30mA trip Residual Current Circuit Device (RCCB) or Earth Leakage Circuit Breaker (ELCB) is recommended for use with heating tapes.
- If in doubt about electrical installation consult a qualified electrician.
- Use mineral or glass fibre insulation and ensure that it is kept dry for maximum efficiency.
- Fit warning labels supplied on the outside of thermal insulation at approximately 3-meter intervals.
- For PVC, ABS, Polythene and other ‘Plastic’ pipes use heating tape not exceeding 12 watts per meter and having an earth screen covering. It is recommended that heating tape be covered in 50mm wide adhesive aluminium foil. An RCC or ELCB unit must be used in conjunction with this type of installation.
- It is recommended that all Heating tape should be installed in conjunction with a thermostatic controller.
- Heating cable should be terminated using **RS 6657497** termination kit.

HEATING TAPE STRAIGHT TRACED FIXED AT MAX 300MM



HEATING TAPE SPIRALLY TRACED FIXED AT 1000MM



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