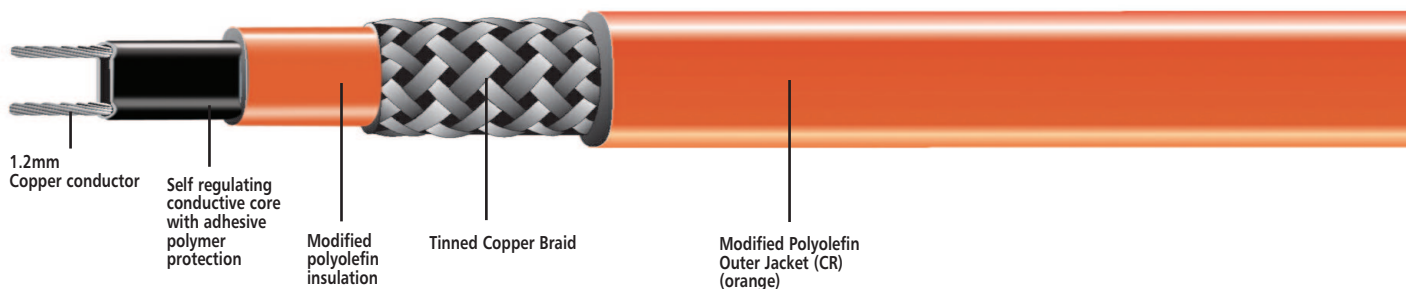


XHWS

Self Regulating Heating Cable



Electrical trace-heating for hot water temperature maintenance.

The XHWS self-regulating parallel circuit heating cable is the perfect solution for hot water temperature maintenance of pipes in family houses, flats, hotels, hospitals, convalescent homes, sports centres etc..

XHWS provides instant hot water from every tap outlet.

Eliminates the need for return pipework, reduces energy consumption, is maintenance free and is easy to install and terminate.

It can also be used for low temperature process maintenance. Maximum exposure temperature 85°C.

Will not withstand steam cleaning process.

For safe area applications.

Applications

HOT WATER PIPEWORK TEMPERATURE MAINTENANCE

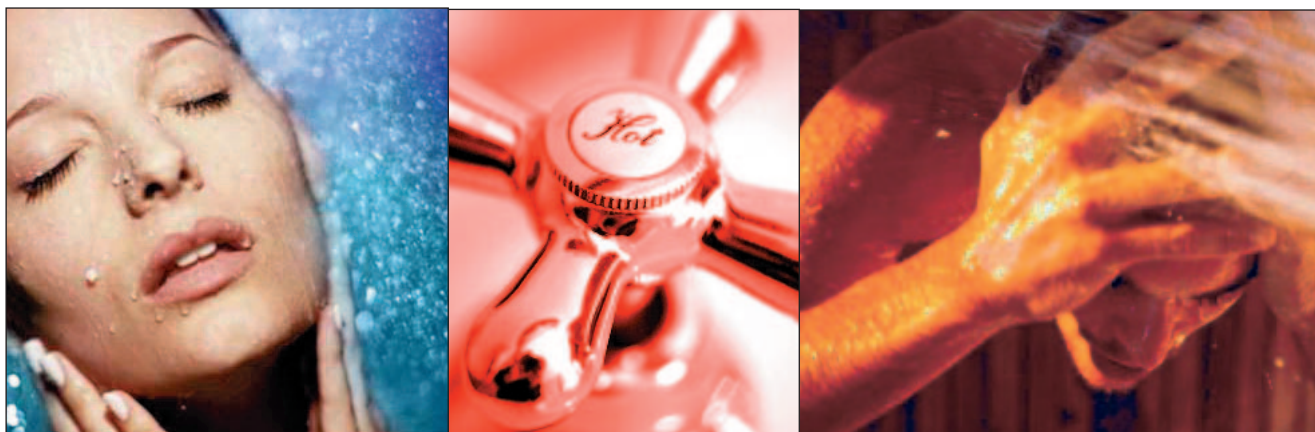
■ HWS pipework

Specifications

Maximum Exposure Temperature	85°C (Continuous power on)
Minimum Installation Temperature	-60°C
Minimum Bending Radius	35mm at -60°C; 13mm at 20°C
Supply Voltage	230 Vac - Contact "Cross" for data on other voltages

Applications

Area Classification	Safe Areas Only
Traced Surface Type	Carbon Steel, Stainless Steel, Plastic and Copper Pipework.



Thermal output rating

Nominal power output at
230 Vac on insulated
metal pipes

A XHWS

12W/m at 55°C 10W/m at 65°C

For detail design - consult "Cross Electrical" Installation Guidelines

XHWS SELF REGULATING HEATING TAPE

Single Pipe Hot Water Systems

RECOMMENDED INSULATION SCHEDULE

Pipework Location:

Internal

Mean Ambient Temperature:

18°C

Maintain Temperature Nominal:

55°C

PIPE SIZES (mm)	MINERAL WOOL INSULATION THICKNESS (mm)	PHENOLIC FOAM INSULATION THICKNESS (mm)
15	19	15
22	19	15
28	25	15
35	30	15
42	35	15
54	45	20
67	50	25

Cable Specification (nominal)

Thickness (mm)	7.5mm
Width (mm)	13.5mm
Weight (g/m)	110grams

Maximum Circuit Lengths. 10°C start up temperature. Maximum heating cable length per circuit

Electrical protection sizing	16A	230V	70metres
	20A	230V	90metres

The above are for circuit lengths estimation only.

The use of a 30mA residual current device to provide maximum safety is recommended.

For more detailed information please contact Cross Electrical(Nottingham)Ltd.



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