

## XHP

### Fixed resistance, PFA insulated Heating Cable



#### Electrical trace-heating for temperature maintenance.

The XHP family of fixed resistance, constant wattage heating cables is used for metal, plastic pipes and vessels.

XHP heating cables can be designed for non-standard heating applications using any voltage from 6 to 415 volts.

Fully assembled heating units, terminated for immediate installation and connection with high flexibility for ease of installation.

XHP cables are fixed resistance, therefore circuit resistance can be tested periodically regardless of ambient or process temperatures.

XHP cables can be used for temperature applications up to 280°C. For safe area applications only.

#### Applications

##### TEMPERATURE MAINTENANCE

- Process pipework and vessels up to 120°C

#### Specifications

Maximum Operating Temperature	230°C (energised)
Maximum Withstand Temperature	260°C (de-energised)
Minimum Installation Temperature	-50°C
Minimum Bending Radius	30mm
Supply Voltage	6 Volt - 415 Volt
Cable Diameter	6.2mm nominal

#### Applications

Temperature maintenance of process pipework  
Pipework, Pumps, Valves, Tanks and Vessels  
For incorporation within 'bespoke' heating mats.

From our range of 12 heating cables manufactured by Cross Electrical (Nottingham) Ltd, XHP tracing systems offer a complete solution to all temperature maintenance requirements.



#### CROSS ELECTRICAL (NOTTINGHAM) LTD

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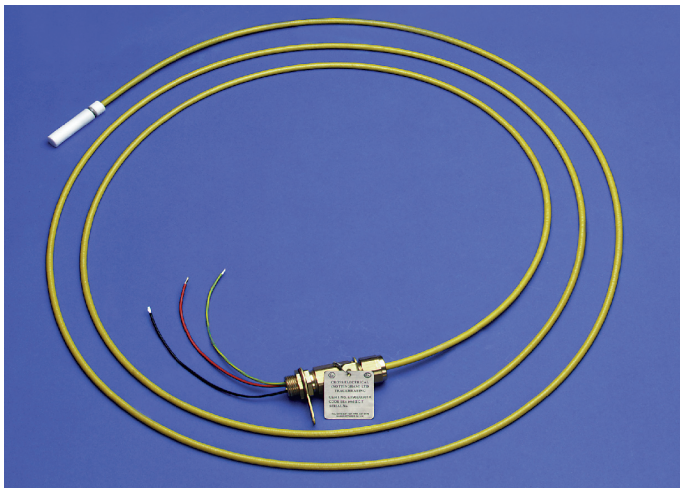


## Design Parameters

Process Temperature	Max Output (Watts per metre)	XHP
230°C	6	6
220°C	8	8
200°C	12	12
180°C	17	17
160°C	27	27
140°C	33	33
120°C	40	40

## Properties of Insulation and Sheath Material

Chemical Identification	Perfluoroalkoxypolymeric
Symbol	PFA
Decomposition Temp.	305°C
Chemical Resistance	Excellent resistance to corrosive chemicals
General properties	High UV and Radiation resistance (105 rad)
Oxygen index	95
Flame Retardence	self-extinguishing. Complies with flame retardancy requirements of IEC 332 part 1.



## Termination

Fully terminated heating units for supply only or supply and install applications.



**XHP/2** 2.33 Ohms/Metre



**XHP/3** 3.33 Ohms/Metre



**XHP/5** 5.33 Ohms/Metre



**XHP/8** 8.33 Ohms/Metre



**XHP/10** 10.8 Ohms/Metre



**XHP/14** 14.8 Ohms/Metre



**XHP/21** 21.3 Ohms/Metre



**XHP/33** 33.3 Ohms/Metre



**XHP/59** 59.3 Ohms/Metre



**XHP/133** 133 Ohms/Metre



**XHP/300** 300 Ohms/Metre



**XHP/533** 533 Ohms/Metre

Cables are identified by the prefix XHP followed by the Ohms per metre of cable e.g XHP/533.

Assembled heating units are identified by :

Cable Ref/Watts output per metre/ Length Metres e.g. XHP533/12/3

10 watts/metre cable - 230 volts		
UNIT LENGTH (METRES)	TOTAL WATTS (230V)	UNIT REFERENCE
3.1	32	XHP533/10/3.1
4.2	42	XHP300/10/4.2
6.2	64	XHP133/10/6.2
9.2	97	XHP59/10/9.2
12.5	127	XHP33/10/12.5
15.5	160	XHP21/10/15.5
18.5	193	XHP14/10/18.5
22.0	223	XHP10/10/22
25.0	254	XHP8/10/25
30.5	325	XHP5/10/30.5
39.0	407	XHP3/10/39
46.5	488	XHP2/10/46.5

20 watts/metre cable - 230 volts		
UNIT LENGTH (METRES)	TOTAL WATTS (230V)	UNIT REFERENCE
2.2	45	XHP533/20/2.2
3.0	60	XHP300/20/3
4.4	90	XHP133/20/4.4
6.6	135	XHP59/20/6.6
8.8	180	XHP33/20/8.8
11.0	234	XHP21/20/11
13.2	270	XHP14/20/13.2
15.6	314	XHP10/20/15.6
17.3	367	XHP8/20/17.3
22.0	450	XHP5/20/22
28.0	567	XHP3/20/28
33.5	677	XHP2/20/33.5

30 watts/metre cable - 230 volts		
UNIT LENGTH (METRES)	TOTAL WATTS (230V)	UNIT REFERENCE
1.8	55	XHP533/33/1.8
2.4	73	XHP300/33/2.4
3.6	110	XHP133/33/3.6
5.4	165	XHP59/33/5.4
7.2	220	XHP33/33/7.2
9	275	XHP21/33/9
10.8	330	XHP14/33/10.8
12.7	385	XHP10/33/12.7
14.5	438	XHP8/33/14.5
18	550	XHP5/33/18
23	690	XHP3/33/23
27.5	825	XHP2/33/27.5

40 watts/metre cable - 230 volts		
UNIT LENGTH (METRES)	TOTAL WATTS (230V)	UNIT REFERENCE
1.6	65	XHP533/40/1.6
2.1	85	XHP300/40/2.1
3.2	125	XHP133/40/3.2
4.7	190	XHP59/40/4.7
6.3	252	XHP33/40/6.3
7.9	315	XHP21/40/7.9
9.4	380	XHP14/40/9.4
11	445	XHP10/40/11
12.6	504	XHP8/40/12.6
15.7	630	XHP5/40/15.7
20	795	XHP3/40/20
23.8	952	XHP2/40/23.8



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