



# XBR

HIGH PERFORMANCE  
SELF-REGULATING HEATING CABLE



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## INTRODUCTION

XBR self-regulating heating cables provides the most versatility in heat trace designs and applications. Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperatures all along its length. As the temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications. It will never overheat or burnout even when overlapped. The cable can also be cut to any length. As the result, we got an energy-efficient heating cable. With Fluoropolymer material for inner insulation and outer jacket, the heating cable is resistant to watery and inorganic chemicals and protected against abrasion and impacted damage.

## TECHNICAL DATA

Power output ————— 15,30,45,60 (W/m)  
Maximum maintain temperature — 120°C  
Maximum exposure temperature — 200°C  
Minimum installation temperature -60°C

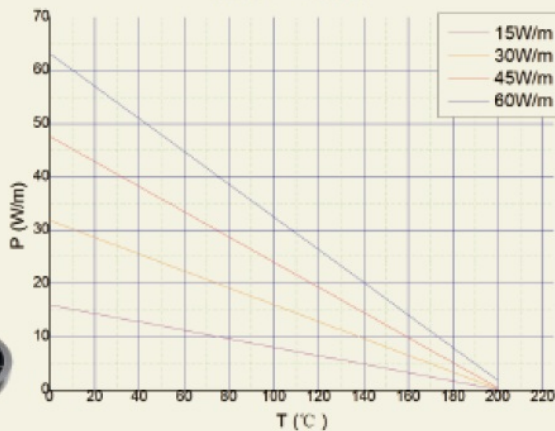
## XBR SERIES

Rated voltage ————— 110V-120V / 220V-240V  
BusWire Gauge ————— 1.21mm<sup>2</sup> & 1.37mm<sup>2</sup>  
XBR-PB ————— Fluoropolymer outer jacket  
Marking ————— Exe IIC Gb T4 / Ext IIIC Db T4

Certifications:



XBR P - T curve

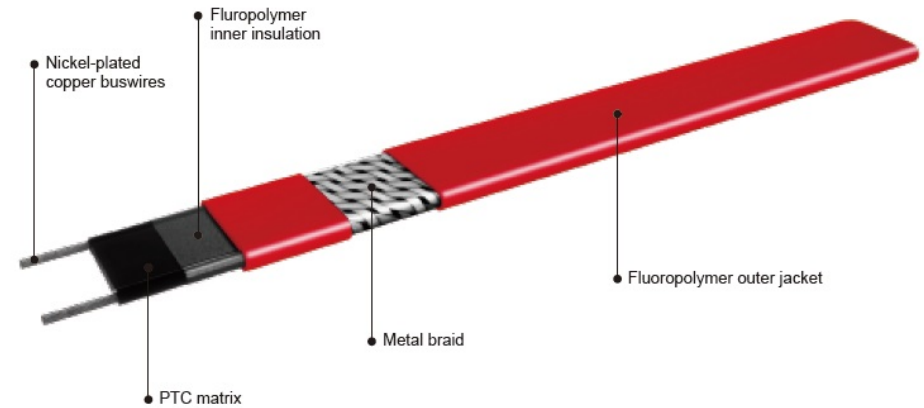


CHINA'S INDEPENDENT PRODUCTION OF HIGH TEMPERATURE SELF-REGULATING HEATING PRODUCTS.

## APPLICATION

XBR series self-regulating heating cables are suitable for defrosting and temperature maintenance of pipes, tanks, valves, flanges, and heating requests that require high power output. Also suitable for applications in explosion-proof and corrosive environments. The XBR series self-regulating heating cable can withstand the highest exposure temperature up to 200° C (392° F), and the highest maintain temperature can reach 120°C(248°F)

## XBR STRUCTURE



## TECHNICAL SUMMARY

| XBR Series   | Output power @+10°C (W/m) | Maximum maintain temperature (°C) | Max length @+10°C 16/32A (m) | Max length @+0°C 16/32A (m) | Max length @-20°C 16/32A (m) | Dimension (For Reference) | Weight (For Reference) |
|--------------|---------------------------|-----------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|------------------------|
| 15XBR-220-PB | 15                        | 120                               | 165/200                      | 117/189                     | 102/161                      | 10.8×5.0                  | 12.5                   |
| 30XBR-220-PB | 30                        | 120                               | 85/130                       | 69/114                      | 62/103                       | 10.8×5.0                  | 12.5                   |
| 45XBR-220-PB | 45                        | 120                               | 70/90                        | 49/82                       | 44/73                        | 10.8×5.0                  | 12.5                   |
| 60XBR-220-PB | 60                        | 120                               | 50/70                        | 38/64                       | 35/59                        | 10.8×5.0                  | 12.5                   |

Cable dimensions are for reference only!