

GlobeHeat Datasheet : Product Code GHT 9210



Product Description: Thermocouple wire type K, 0.711 mm, high density glass insulation, red and yellow on 100m roll

Globe's type K thermocouple wire, when heated, utilises the Seebeck effect to produce a variable mV difference between the two dissimilar conductors (Nickel/Chrome and Nickel/Aluminium). This mV difference can then be used by temperature control and recording equipment to accurately control and record the temperature of the work piece being heat treated.

Applications

To obtain the most accurate temperature reading the thermocouple wire should be directly attached to the workpiece being heat treated using one of Globe's thermocouple attachment units such as the GHT 4100. (IEC standard green and white coloured insulation is preferred in some European countries)

Specification	
Single strand wire diameter (each conductor)	0.711 mm
Thermocouple Type	K
Conductor material	Positive conductor - Nickel/Chrome : Negative conductor- Nickel/Aluminium
Insulation	Glass fibre, braided and varnished, green and white (IEC)
Insulation temperature rating	700°C (Note: Dependent upon environmental conditions, the short term temperature rating for the insulation is 750°C where there is no risk of abrasion of the insulation during the heat treatment process.
Construction	Twisted pair
Applicable standards	BS 4937 BSEN 60584.2 relevant sections. All comparable international standards
Weight	1.5 kg
Length	100m roll

Safety

- No personal protective equipment required when used under normal operating conditions.
- Product represents no health risk when used under normal operating conditions
- In case of smoke inhalation during combustion remove casualty to fresh air and seek medical attention.
- In case of ingestion seek medical attention
- Good industrial hygiene practices should be followed.
- If skin irritation occurs area should be flushed with cold water
- If glass dust is produced due to rough handling it should be washed off immediately. In case of contact with eyes flush well with plentiful amounts of clean water and seek medical attention