

# GlobeHeat Datasheet : Product Code GHT 6001 to GHT 6006



## Product Description

The triple cable set consists of two lengths of heat and oil resistant and flame retardant (HOFR), double insulated copper cable and one length of compensating cable. The end of the cables that connect to a heat treatment unit are fitted with 300A male twistlock connectors on the two HOFR cables and a thermocouple plug on the compensating cable. The other end of the cables, that connect to the splitter cables and thermocouple at the workpiece being heat treated, are fitted with 300A female twistlock connectors on the two HOFR cables and a thermocouple socket on the compensating cable.

Product Code:	Product:	Application:
GHT 6001	Triple cable set, 16mm <sup>2</sup> cable, current rating 135A, 30m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 3 heaters
GHT 6002	Triple cable set, 16mm <sup>2</sup> cable, current rating 135A, 15m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 3 heaters
GHT 6003	Triple cable set, 25mm <sup>2</sup> cable, current rating 180A, 30m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 4 heaters
GHT 6004	Triple cable set, 25mm <sup>2</sup> cable, current rating 180A, 15m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 4 heaters
GHT 6005	Triple cable set, 35mm <sup>2</sup> cable, current rating 225A, 30m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 5 heaters
GHT 6006	Triple cable set, 35mm <sup>2</sup> cable, current rating 225A, 15m long	For use with heat treatment units to provide power and thermocouple connection to a heater control zone of up to 5 heaters

*Note: The current ratings of each cable is stated as the current rating of the cable at 100% duty cycle for the period the current is continuously flowing which is taken as 5 minutes. Therefore in order to ensure cables do not overheat, adequate heating power and insulation material should be applied to the workpiece being heat treated to ensure that the duty cycle period is not exceeded.*

## Specifications

### Double insulated copper cables:

Conductor	Class 6 extra flexible plain copper conductors to BS EN 60228:2005
Separator	PETP (Polyethylene Terephthalate)
Insulation	EPR (Ethylene Propylene Rubber) to BS7655
Sheath	HOFR (Heat and Oil Resistant and Flame Retardant) Sheath to BS7655
Voltage Rating	100V
Minimum Bending Radius	6 x overall diameter
Temperature Rating	-20°C to +85°C
Standards	BS638 Part 4

### Compensating cable:

Construction of conductors	Thirteen strands of 0.2mm OD thermocouple alloys.
Positive conductor material	Copper with white insulation
Negative conductor material	Constantin with blue insulation
Insulation of conductors	PVC extruded with high temp PVC (white / blue)
General construction	Insulated pair laid flat with overall outer sheath insulation
Outer sheath insulation	High temp. PVC extruded overall (Red)