

# Heat Treatment Accessories and Consumables



### Triple cable sets

For use with heat treatment units controlling 30V, 40V, 60V and 80V heating elements. Includes two double insulated cables for power feed and return, fitted with 300A male and female connectors and one compensating cable fitted with type K thermocouple plug and socket.

### Stock Ref:

35020  
35024  
35032  
35033

### Description

15m Triple cable set 135A  
30m Triple cable set 135A  
30m Triple cable set 180A  
30m Triple cable set 280A



### Splitter cables

For use with triple cable sets. Splitters are used where the operator needs to connect multiple heating elements, in parallel, to triple cable sets to enable the control of multiple heating elements. This enables the heating elements to be grouped to a single control output from a heat treatment unit to allow accurate zonal temperature control.

### Stock Ref:

32001  
32002  
32003  
32004

### Description

2 Way splitter  
3 Way splitter  
4 Way splitter  
5 Way splitter



### Thermocouple compensating cable

Suitable for use with type K thermocouples where thermocouples in addition to the control thermocouples are required for required for temperature monitoring purposes. Available in 30m lengths complete with type K thermocouple plug and socket or in 100m rolls without plug and socket (plugs and sockets can be supplied separately as required)

### Stock Ref:

34000  
  
34008

### Description

30m Compensating cable fitted with type K thermocouple plug and socket  
100m roll of compensating cable without thermocouple plug or socket



### Inter-connection cables

Used for interconnection between separate instruments and equipment when using with Stork modular heat treatment equipment system.

### Stock Ref:

34013  
  
33009

### Description

3m 'jumper' compensating cable lead fitted with two type K thermocouple plugs  
3m, 3 core, controller/programmer 110V control lead

### Applications:

**Ref:34013:** To connect thermocouple input on controller/programmer to the recorder.

**Ref:33009:** To connect controller/programmer output to power source control input.

**STORK®**

Stork Thermal and  
Inspection Services

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## 300A Connectors

Spare connectors for repair of triple cable sets, splitters, heat treatment units and power sources.

### Stock Ref: Description

|         |   |
|---------|---|
| 508-006 | 300A brass male connector                   |
| 508-007 | 300A brass female connector                 |
| 508-015 | 300A fibre male sleeve for use with 508-006 |

|           |   |
|-----------|---|
| 508-016   | 300A fibre female sleeve for use with 508-007                             |
| 508-021   | 300A fibre pin for use with 508-015 and 508-016                           |
| 508-001   | 300A panel mounted sockets  |
| 508-041/m | 19mm (3/4") wide cooper shim (per metre) for use with 508-006 and 508-007 |



## 60A Connectors

Spare connectors for repair of splitters and heating elements.

### Stock Ref: Description

|         |  |
|---------|--|
| 508-009 | 60A brass male connector                     |
| 508-010 | 60A brass female connector                   |
| 508-019 | 60A fibre male sleeve for use with 508-009   |
| 508-020 | 60A fibre female sleeve for use with 508-010 |

|           |   |
|-----------|---|
| 508-040/m | 12.7mm (1/2") wide cooper shim (per metre) for use with 508-009 and 508-010 |
|-----------|---|



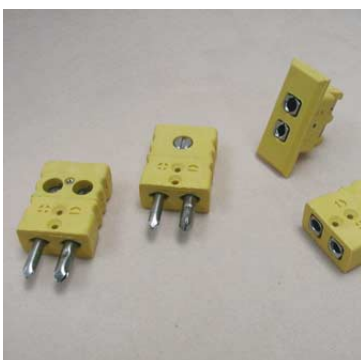
## Thermocouple Wire

Type K nickel chrome/nickel aluminum thermocouple wire, insulated with high temperature glass braid. Recommended maximum temperature 800°C. A consumable item, which is used to convert the thermal energy at the hot junction of the thermocouple to an electrical mV signal which can then used by temperature control and recording instruments to accurately record and control the temperature of the item being heat treated.

Conforms to:  
BS EN 60584-1 : 1996 part 4, BS EN 60584-2 : 1993 class 1 and ANSI-MC96.

The thermocouple wire is attached directly to the work piece using Stork's 'thermocouple attachment unit' Stock Ref: 41756 (110V unit) or 41757 (230V unit).

| Stock Ref: | Description                           |
|------------|---------------------------------------|
| 43000      | 100m roll of type K thermocouple wire |



## Thermocouple Connectors

Type K plugs and socket thermocouple connectors.

We offer two types of thermocouple plugs, type 516-111 being the standard type normally used with compensating cable. Whereas type 516-125 'quick connection' plugs are ideally suited for use with thermocouple wire where regular connections are required. The 'quick connect' plug can be attached to thermocouple wire in seconds and reduces waste caused by the loss of terminal covers.

| Stock Ref: | Description                               |
|------------|---|
| 516-111    | Type K, inline plug (standard connection) |
| 516-112    | Type K, inline socket                     |
| 516-115    | Type K, inline plug (quick connection)    |
| 516-125    | Type K, panel mounted socket              |