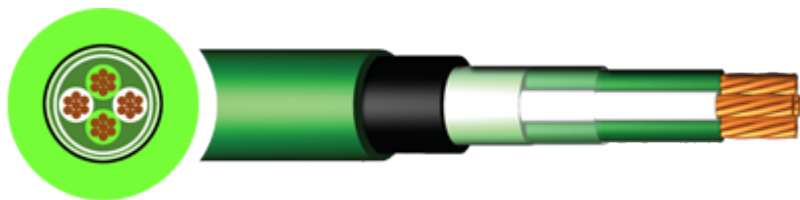


## BS4937 Compensating & Thermocouple Cable Non Armoured



Generally used for interconnection between thermocouple probes and control instrumentation. They are used in industries such as power generation, oil, gas and pharmaceutical and are used in everyday appliances such as furnaces and ovens.

### Key Features



#### Temperature Limits

Temperature Range: -30°C To +105°C

### Construction

- **Conductor:** Plain Annealed Copper Conductors
- **Insulation:** Polyvinyl Chloride (PVC)
- **Bedding:** Collective aluminium / Mylar foil tape screen and a 0.5mm<sup>2</sup> drain wire
- **Screen:** Collective Aluminium / mylar tape screen complete with 0.5mm drain wire
- **Sheath:** PVC (Polyvinyl Chloride)
- **Sheath Colour:** as per Colour Code Chart

### Standards

- BS4937, ANSI 96.1, IEC 584.3, Flame propagation to BS4066 PT1 and IEC 332 PT1

### Core Colours

See PDF datasheet

## BS4937 Compensating & Thermocouple Cable Non Armoured - Dimensions

| Reference | Conductor Size (mm <sup>2</sup> ) | No Of Pairs | No Of Cores | Stranding(mm) | TYPE | Overall Diameter(mm) | Gland Size |
|-----------|-----------------------------------|-------------|-------------|---------------|------|----------------------|------------|
| 7559      | 0.75                              | 20          | 20 Pair     | 24/0.20       | KX   | 23.9                 | 32         |
| 7577      | 0.75                              | 20          | 20 Pair     | 24/0.20       | TX   | 23.9                 | 32         |
| 7539      | 0.75                              | 20          | 20 Pair     | 24/0.20       | KCB  | 23.9                 | 32         |
| 7507      | 0.75                              | 20          | 20 Pair     | 24/0.20       | JX   | 23.9                 | 32         |
| 7557      | 0.75                              | 10          | 10 Pair     | 24/0.20       | KX   | 18.1                 | 25         |
| 7575      | 0.75                              | 10          | 10 Pair     | 24/0.20       | TX   | 18.1                 | 25         |
| 7537      | 0.75                              | 10          | 10 Pair     | 24/0.20       | KCB  | 18.1                 | 25         |
| 7505      | 0.75                              | 10          | 10 Pair     | 24/0.20       | JX   | 18.1                 | 25         |
| 7573      | 0.75                              | 5           | 5 Pair      | 24/0.20       | TX   | 13.7                 | 25         |
| 7533      | 0.75                              | 5           | 5 Pair      | 24/0.20       | KCB  | 13.7                 | 25         |
| 7503      | 0.75                              | 5           | 5 Pair      | 24/0.20       | JX   | 13.7                 | 25         |
| 7551      | 0.75                              | 2           | 2 Pair      | 24/0.20       | KX   | 7.7                  | 20/16      |
| 7571      | 0.75                              | 2           | 2 Pair      | 24/0.20       | TX   | 7.7                  | 20/16      |
| 7531      | 0.75                              | 2           | 2 Pair      | 24/0.20       | KCB  | 7.7                  | 20/16      |
| 7550      | 0.75                              | 1           | 1 Pair      | 24/0.20       | KX   | 6.7                  | 20/16      |
| 7570      | 0.75                              | 1           | 1 Pair      | 24/0.20       | TX   | 6.7                  | 20/16      |
| 7530      | 0.75                              | 1           | 1 Pair      | 24/0.20       | KCB  | 6.7                  | 20/16      |
| 7500      | 0.75                              | 1           | 1 Pair      | 24/0.20       | JX   | 6.7                  | 20/16      |

## COLOUR CODING

| EX<br>+ - | JX<br>+ - | KX<br>+ - | NX<br>+ - | TX<br>+ - | UX<br>+ - | VX<br>+ - | CODE                            |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------------------|
|           |           |           |           |           |           |           | BRITISH<br>BS1843:1952          |
|           |           |           |           |           |           |           | AMERICAN<br>ANSI                |
|           |           |           |           |           |           |           | GERMAN<br>DIN                   |
|           |           |           |           |           |           |           | RC/SC<br>KCB<br>IEC 584-3       |
|           |           |           |           |           |           |           | IEC 584-3<br>INTRINSICALLY SAFE |

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