

## CSM/CTM/CGM Multi Pair High Temperature

We offer a range of high temperature rated cables for applications requiring multiple thermocouple signals to be carried through high temperature environments.

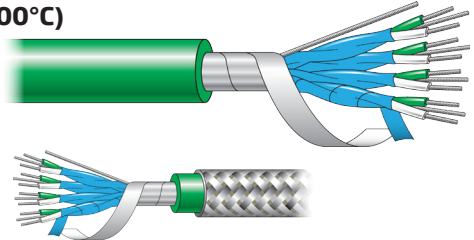
- Silicone Rubber: -40°C to +200°C, PFA: -75°C to +260°C, Fibreglass: up to +480°C
- Available in Thermocouple Extension Grades KX, JX, TX, NX, EX
- Available in Thermocouple Compensating Grades KCB, RCA
- Colour coded to IEC 60584.3 (BS EN 60584.3). ANSI MC96.1 colours available on request

### Example Order Code

Code / Conductor Length  
**CTM02KX - 100mtr**

### Multi Pair Silicone Rubber Insulated (-40°C to +200°C)

Multi pairs of stranded 16/0.2mm (0.5mm<sup>2</sup>) conductors, silicone rubber insulated. The cores are twisted to form a pair, numbered and individually screened with an aluminium bonded polyester tape, in contact throughout with a bare copper 7/0.3mm diameter drain wire. The pairs are twisted together then screened overall with an aluminium bonded polyester tape, in contact throughout with a bare tinned copper 7/0.3mm diameter drain wire. Silicone rubber sheathed. Available with or without a stainless steel wire braid. Temperature rated -40°C to +200°C.

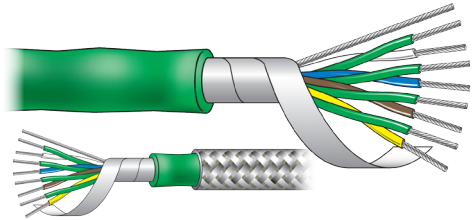


| Cable Type   | Conductor Size                      | No. of Pairs | Dimensions (approximate) | Profile | Conductor Type / Colour Code |     |    |    |    |    |     | Order Code |
|--|-------------------------------------|--------------|--------------------------|---------|------------------------------|-----|----|----|----|----|-----|------------|
|  |                                     |              |                          |         | KX                           | KCB | JX | TX | NX | EX | RCA |            |
| Multi Pair Silicone Rubber Insulated (-40°C to +200°C)           | 16/0.2mm dia. (0.5mm <sup>2</sup> ) | 2            | 9.0mm                    | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM02      |
|  |                                     | 4            | 10.4mm                   | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM04      |
|  |                                     | 6            | 12.8mm                   | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM06      |
| Multi Pair Silicone Rubber Insulated, Screened (-40°C to +200°C) | 16/0.2mm dia. (0.5mm <sup>2</sup> ) | 2            | 9.9mm                    | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM02x/SSB |
|  |                                     | 4            | 11.3mm                   | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM04x/SSB |
|  |                                     | 6            | 13.7mm                   | Round   | ✓                            | ✓   | ✓  | ✓  | ✓  | ✓  | ✓   | CSM06x/SSB |

x = conductor type (e.g. CSM02KX/SSB)

### Multi Pair PFA Insulated (-75°C to +260°C)

Multi pairs of stranded 7/0.2mm (0.22mm<sup>2</sup>) conductors. Each conductor is PFA insulated and twisted to form a pair. The pairs are twisted together, then collectively screened with an aluminium bonded polyester tape, in contact throughout with a bare 7/0.2mm diameter copper drain wire. PFA sheathed overall. Each pair is individually colour coded for easy identification. Available with or without a stainless steel wire braid. Temperature rated -75°C to +260°C.



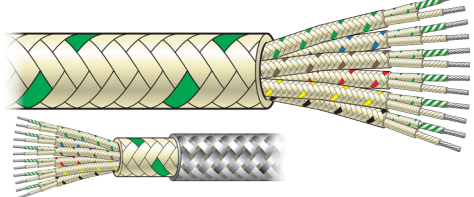
| Cable Type   | Conductor Size                      | No. of Pairs | Dimensions (approximate) | Profile | Conductor Type / Colour Code |     |    |    |    |    |     | Order Code |
|--|-------------------------------------|--------------|--------------------------|---------|------------------------------|-----|----|----|----|----|-----|------------|
|  |                                     |              |                          |         | KX                           | KCB | JX | TX | NX | EX | RCA |            |
| Multi Pair PFA Insulated (-75°C to +260°C)           | 7/0.2mm dia. (0.22mm <sup>2</sup> ) | 2            | 5.4mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM02      |
|  |                                     | 4            | 6.1mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM04      |
|  |                                     | 6            | 7.4mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM06      |
| Multi Pair PFA Insulated, Screened (-75°C to +260°C) | 7/0.2mm dia. (0.22mm <sup>2</sup> ) | 2            | 6.3mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM02x/SSB |
|  |                                     | 4            | 7.0mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM04x/SSB |
|  |                                     | 6            | 8.3mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CTM06x/SSB |

\* Due to the cable construction, the profile may not be perfectly round

x = conductor type (e.g. CTM02KX/SSB)

### Multi Pair Fibreglass Insulated (up to +480°C)

Multi pairs of stranded 16/0.2mm (0.5mm<sup>2</sup>) conductors. Each conductor is double glass fibre lapped and silicone varnished, then fibreglass braided and silicone varnished. The cores are twisted to form a pair, Fibreglass braided overall and silicone varnished. Each pair is individually colour coded for easy identification. Available with or without a stainless steel wire braid. Temperature rated up to +480°C.



| Cable Type   | Conductor Size                      | No. of Pairs | Dimensions (approximate) | Profile | Conductor Type / Colour Code |     |    |    |    |    |     | Order Code |
|--|-------------------------------------|--------------|--------------------------|---------|------------------------------|-----|----|----|----|----|-----|------------|
|  |                                     |              |                          |         | KX                           | KCB | JX | TX | NX | EX | RCA |            |
| Multi Pair Fibreglass Insulated (up to +480°C)           | 16/0.2mm dia. (0.5mm <sup>2</sup> ) | 2            | 9.8mm                    | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM02      |
|  |                                     | 4            | 10.8mm                   | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM04      |
|  |                                     | 6            | 13.0mm                   | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM06      |
| Multi Pair Fibreglass Insulated, Screened (up to +480°C) | 16/0.2mm dia. (0.5mm <sup>2</sup> ) | 2            | 10.7mm                   | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM02x/SSB |
|  |                                     | 4            | 11.7mm                   | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM04x/SSB |
|  |                                     | 6            | 13.9mm                   | Round*  | ✓                            | x   | ✓  | ✓  | ✓  | ✓  | ✓   | CGM06x/SSB |

\* Due to the cable construction, the profile may not be perfectly round

x = conductor type (e.g. CGM02KX/SSB)

