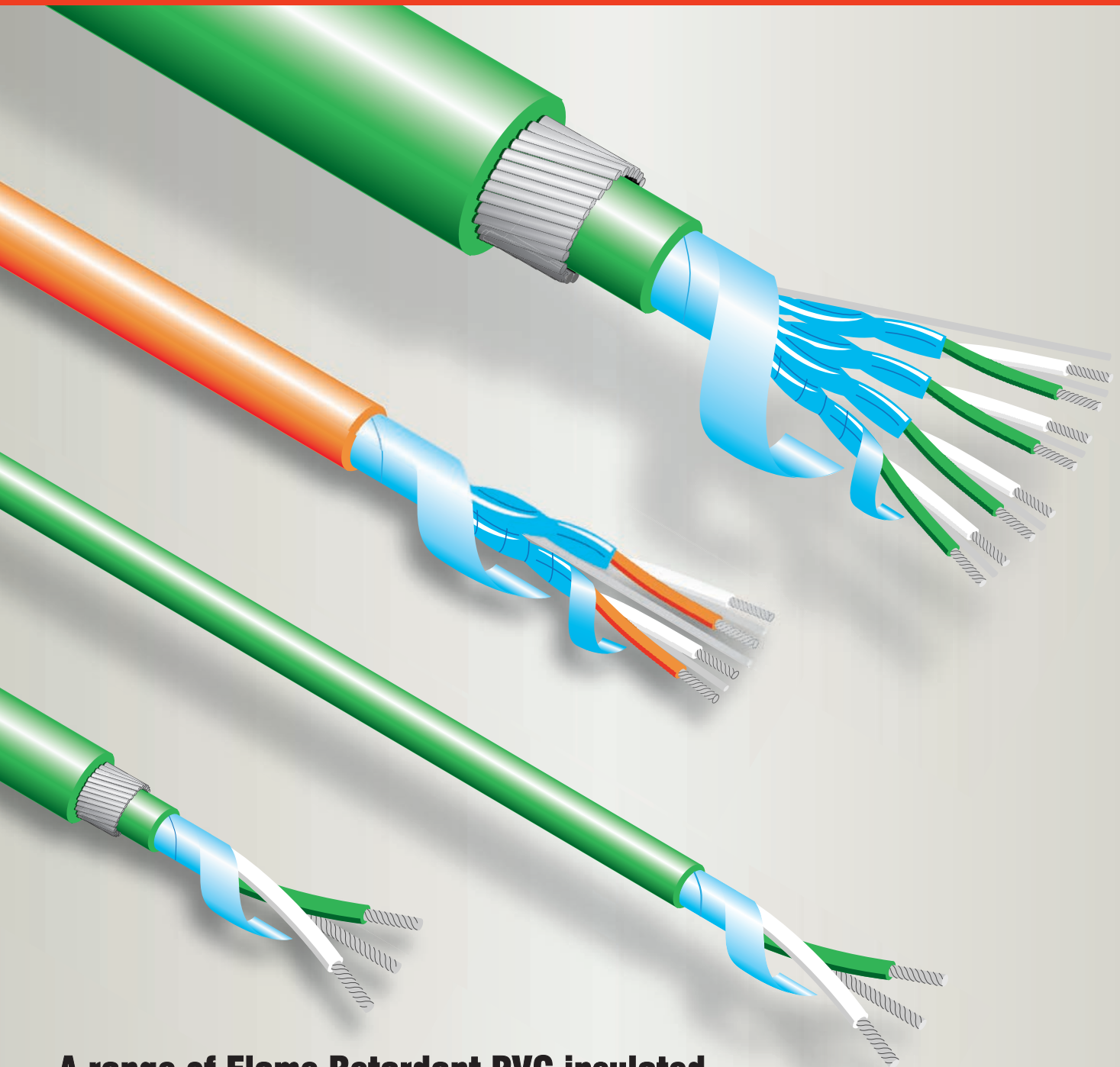




## Flame Retardant PVC Insulated Thermocouple Cables - Single and Multipairs



**A range of Flame Retardant PVC insulated  
Single and Multipair Thermocouple Cables  
available from stock for immediate delivery**

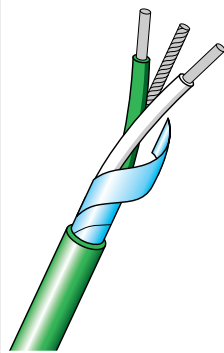
Heat Resistant PVC cables also available - request our separate datasheet

TC Measurement & Control Ltd.

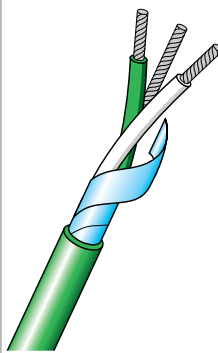
# FR PVC Insulated Single Pair Thermocouple Cable

## Flame Retardant PVC Insulated Twisted Cables -30°C to +75°C

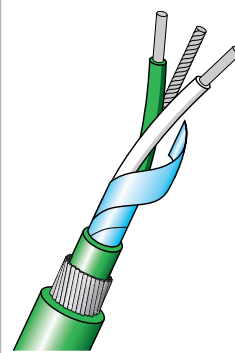
- Excellent properties for the reduced propagation of flame by incorporation of flame retardant (FR) PVC compounds
- Suitable for situations where there is a risk of fire
- The Oxygen Index Value of the overall sheath is typically not less than 30% in accordance with ISO 4589 which allow fire resistance properties



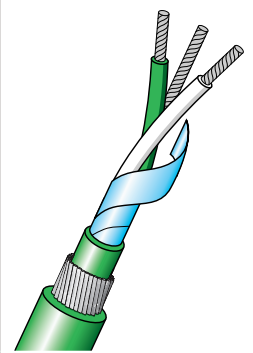
**FR PVC Twisted Pair with Screen**  
One pair of **solid** conductors. Cores FR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. FR PVC sheathed overall.



**FR PVC Twisted Pair with Screen**  
One pair of **stranded** conductors. FR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. FR PVC sheathed overall.



**FR PVC Twisted Pair with Screen and Armour**  
One pair of **solid** conductors FR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. FR PVC bedded, steel wire armoured & FR PVC sheathed.



**FR PVC Twisted Pair with Screen and Armour**  
One pair of **stranded** conductors. Cores FR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. FR PVC bedded, steel wire armoured and FR PVC sheathed.

| Stock Number                       |                                       |                                              |     | FR20                                                                                          | FR25   | FR29                                                                                          | FR30  | FR50   | FR89                                                                                                                               | FR90   | FR94                                                                                                                               | FR95   |
|------------------------------------|---------------------------------------|----------------------------------------------|-----|-----------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------|-------|--------|------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------|--------|
| CONDUCTORS                         | Conductor Style                       |                                              |     | Solid                                                                                         |        | Stranded                                                                                      |       |        | Solid                                                                                                                              |        | Stranded                                                                                                                           |        |
|                                    | No. of Strands / Strand Diameter (mm) |                                              |     | 1/0.8                                                                                         | 1/1.29 | 16/0.2                                                                                        | 7/0.2 | 23/0.2 | 1/0.8                                                                                                                              | 1/1.29 | 16/0.2                                                                                                                             | 23/0.2 |
|                                    | Total Area (mm <sup>2</sup> )         |                                              |     | 0.5                                                                                           | 1.3    | 0.5                                                                                           | 0.22  | 0.75   | 0.5                                                                                                                                | 1.3    | 0.5                                                                                                                                | 0.75   |
|                                    | Total AWG (S = Stranded)              |                                              |     | 20                                                                                            | 16     | 20S                                                                                           | 24S   | 18S    | 20                                                                                                                                 | 16     | 20S                                                                                                                                | 18S    |
| PAIRS                              | Insulation                            |                                              |     | Flame Retardant PVC                                                                           |        | Flame Retardant PVC                                                                           |       |        | Flame Retardant PVC                                                                                                                |        | Flame Retardant PVC                                                                                                                |        |
|                                    | Number of Pairs                       |                                              |     | 1                                                                                             |        | 1                                                                                             |       |        | 1                                                                                                                                  |        | 1                                                                                                                                  |        |
|                                    | Laid Flat or Twisted                  |                                              |     | Twisted                                                                                       |        | Twisted                                                                                       |       |        | Twisted                                                                                                                            |        | Twisted                                                                                                                            |        |
|                                    | Screen*                               |                                              |     | Yes                                                                                           |        | Yes                                                                                           |       |        | Yes                                                                                                                                |        | Yes                                                                                                                                |        |
| OVERALL                            | Insulation                            |                                              |     | Flame Retardant PVC                                                                           |        | Flame Retardant PVC                                                                           |       |        | Flame Retardant PVC                                                                                                                |        | Flame Retardant PVC                                                                                                                |        |
|                                    | Insulation Rating (°C)                | Continuous                                   |     | -30 to +75                                                                                    |        | -30 to +75                                                                                    |       |        | -30 to +75                                                                                                                         |        | -30 to +75                                                                                                                         |        |
|                                    |                                       | Short Term                                   |     | —                                                                                             |        | —                                                                                             |       |        | —                                                                                                                                  |        | —                                                                                                                                  |        |
|                                    | Colour Coding                         |                                              |     | Yes                                                                                           |        | Yes                                                                                           |       |        | Yes                                                                                                                                |        | Yes                                                                                                                                |        |
|                                    | Physical Properties                   | Abrasion Resistance                          |     | Good                                                                                          |        | Good                                                                                          |       |        | Good                                                                                                                               |        | Good                                                                                                                               |        |
|                                    |                                       | Moisture Resistance                          |     | Very Good                                                                                     |        | Very Good                                                                                     |       |        | Very Good                                                                                                                          |        | Very Good                                                                                                                          |        |
|                                    |                                       | Typical Weight (Kg/100m)<br>(excluding reel) |     | 4                                                                                             | 4      | 5                                                                                             | 3     | 7      | 19                                                                                                                                 | 30     | 19                                                                                                                                 | 22     |
|                                    | Diameter under Armour (mm)            |                                              |     | —                                                                                             |        | —                                                                                             |       |        | 5.5                                                                                                                                | 7.0    | 5.5                                                                                                                                | 6.0    |
|                                    | Diameter over Armour (mm)             |                                              |     | —                                                                                             |        | —                                                                                             |       |        | 7.5                                                                                                                                | 9.0    | 7.5                                                                                                                                | 8.0    |
| Overall Diameter <sup>†</sup> (mm) |                                       |                                              | 5.5 | 7x7                                                                                           | 5.5    | 4.5                                                                                           | 6.5   | 9.5    | 11.0                                                                                                                               | 10.5   | 11.0                                                                                                                               |        |
| Notes                              |                                       |                                              |     | Flame Retardant.<br>Round section.<br>Rejects electromagnetic and electrostatic interference. |        | Flame Retardant.<br>Round section.<br>Rejects electromagnetic and electrostatic interference. |       |        | Flame Retardant.<br>Round section.<br>Rejects electromagnetic and electrostatic interference.<br>Armoured for mechanical strength. |        | Flame Retardant.<br>Round section.<br>Rejects electromagnetic and electrostatic interference.<br>Armoured for mechanical strength. |        |

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

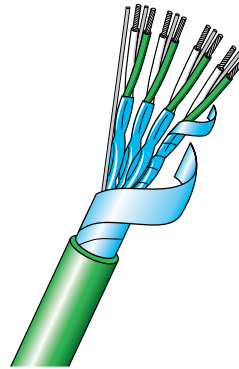
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

| Colour Codes available (other colour codes available on request) |  | Order Code - Example                                                                                                                                    |                   |             |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60584-3                                                      |  | Stock No.                                                                                                                                               | Thermocouple Type | Colour Code |
|                                                                  |  | FR30                                                                                                                                                    | - KX              | - IEC       |
| ANSI MC96.1                                                      |  | These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request. |                   |             |
|                                                                  |  | These cables are normally available from us for <b>immediate</b> delivery from stock to IEC 60584-3 colour coding.                                      |                   |             |

# FR PVC Insulated Multipair Thermocouple Cable

## 7/0.2mm Non Armoured Flame Retardant PVC Insulated Multipairs -30°C to +75°C

- Extremely useful where there is a need to run a number of thermocouple signals back to instrumentation
- 7/0.2mm (0.22mm<sup>2</sup>) diameter conductors with an individual and collective screen. Cores, bedding and overall sheath in flame retardant PVC
- Armoured versions are also available. See page 5



### Non Armoured PVC Multipair

Multipairs of stranded 7/0.2mm diameter conductors FR PVC insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape and drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. FR PVC sheathed.

| Stock Number |                                           | M1702                                                                  | M1704 | M1706 | M1708 | M1712 | M1716 | M1720 | M1724 | M1736 | M1750 |
|--------------|-------------------------------------------|------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CONDUCTORS   | Conductor Style                           | Stranded                                                               |       |       |       |       |       |       |       |       |       |
|              | No. of Strands / Strand Diameter (mm)     | 7/0.2                                                                  | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 | 7/0.2 |
|              | Total Area (mm <sup>2</sup> )             | 0.22                                                                   | 0.22  | 0.22  | 0.22  | 0.22  | 0.22  | 0.22  | 0.22  | 0.22  | 0.22  |
|              | Total AWG (S = Stranded)                  | 24S                                                                    | 24S   | 24S   | 24S   | 24S   | 24S   | 24S   | 24S   | 24S   | 24S   |
| PAIRS        | Insulation                                | Flame Retardant PVC                                                    |       |       |       |       |       |       |       |       |       |
|              | Number of Pairs                           | 2                                                                      | 4     | 6     | 8     | 12    | 16    | 20    | 24    | 36    | 50    |
|              | Laid Flat or Twisted                      | Twisted                                                                |       |       |       |       |       |       |       |       |       |
| OVERALL      | Screen*                                   | Yes - Individually Screened Pairs                                      |       |       |       |       |       |       |       |       |       |
|              | Insulation                                | Flame Retardant PVC                                                    |       |       |       |       |       |       |       |       |       |
|              | Insulation Rating (°C)                    | Continuous                                                             |       |       |       |       |       |       |       |       |       |
|              |                                           | -30 to +75                                                             |       |       |       |       |       |       |       |       |       |
|              | Short Term                                | —                                                                      |       |       |       |       |       |       |       |       |       |
|              |                                           | —                                                                      |       |       |       |       |       |       |       |       |       |
|              | Colour Coding                             | Yes                                                                    |       |       |       |       |       |       |       |       |       |
|              | Screen*                                   | Yes - Collective, Overall Screen                                       |       |       |       |       |       |       |       |       |       |
|              | Physical Properties                       | Abrasion Resistance                                                    |       |       |       |       |       |       |       |       |       |
|              |                                           | Good                                                                   |       |       |       |       |       |       |       |       |       |
|              |                                           | Moisture Resistance                                                    |       |       |       |       |       |       |       |       |       |
|              |                                           | Very Good                                                              |       |       |       |       |       |       |       |       |       |
|              | Typical Weight (Kg/100m) (excluding reel) | 7                                                                      | 8     | 13    | 14    | 23    | 27    | 32    | 37    | 52    | 75    |
|              | Diameter under Armour (mm)                | —                                                                      |       |       |       |       |       |       |       |       |       |
|              | Diameter over Armour (mm)                 | —                                                                      |       |       |       |       |       |       |       |       |       |
|              | Overall Diameter† (mm)                    | 7.8                                                                    | 8.1   | 9.7   | 10.5  | 12.8  | 14.3  | 15.9  | 17.2  | 19.8  | 24.5  |
| Notes        |                                           | Individually and collectively screened. Flame retardant PVC insulated. |       |       |       |       |       |       |       |       |       |

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

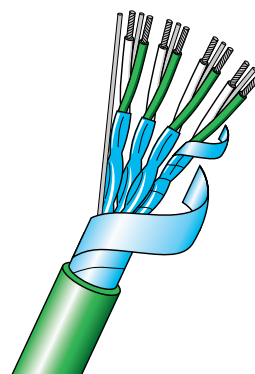
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

| Colour Codes available (other colour codes available on request) |  | Order Code - Example                                                                                                                                    |                   |             |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60584-3                                                      |  | Stock No.                                                                                                                                               | Thermocouple Type | Colour Code |
|                                                                  |  | M1706                                                                                                                                                   | - KX              | - IEC       |
| ANSI MC96.1                                                      |  | These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request. |                   |             |
|                                                                  |  | These cables are normally available from us for <b>immediate</b> delivery from stock to IEC 60584-3 colour coding.                                      |                   |             |

# FR PVC Insulated Multipair Thermocouple Cable

## 16/0.2mm Non Armoured Flame Retardant PVC Insulated Multipairs -30°C to +75°C

- Extremely useful where there is a need to run a number of thermocouple signals back to instrumentation
- 16/0.2mm (0.5mm<sup>2</sup>) diameter conductors with an individual and collective screen. Cores, bedding and overall sheath in flame retardant PVC
- Armoured versions are also available. See page 6



### Non Armoured PVC Multipair

Multipairs of stranded 16/0.2mm diameter conductors FR PVC insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. FR PVC sheathed.

| Stock Number |                                           | M3502                                                                  | M3504  | M3506  | M3508  | M3512  | M3516  | M3520  | M3524  | M3536  | M3550  |
|--------------|-------------------------------------------|------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| CONDUCTORS   | Conductor Style                           | Stranded                                                               |        |        |        |        |        |        |        |        |        |
|              | No. of Strands / Strand Diameter (mm)     | 16/0.2                                                                 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 | 16/0.2 |
|              | Total Area (mm <sup>2</sup> )             | 0.5                                                                    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
|              | Total AWG (S = Stranded)                  | 20S                                                                    | 20S    | 20S    | 20S    | 20S    | 20S    | 20S    | 20S    | 20S    | 20S    |
| PAIRS        | Insulation                                | Flame Retardant PVC                                                    |        |        |        |        |        |        |        |        |        |
|              | Number of Pairs                           | 2                                                                      | 4      | 6      | 8      | 12     | 16     | 20     | 24     | 36     | 50     |
|              | Laid Flat or Twisted                      | Twisted                                                                |        |        |        |        |        |        |        |        |        |
|              | Screen*                                   | Yes - Individually Screened Pairs                                      |        |        |        |        |        |        |        |        |        |
| OVERALL      | Insulation                                | Flame Retardant PVC                                                    |        |        |        |        |        |        |        |        |        |
|              | Insulation Rating (°C)                    | Continuous                                                             |        |        |        |        |        |        |        |        |        |
|              |                                           | -30 to +75                                                             |        |        |        |        |        |        |        |        |        |
|              | Insulation Rating (°C)                    | Short Term                                                             |        |        |        |        |        |        |        |        |        |
|              |                                           | —                                                                      |        |        |        |        |        |        |        |        |        |
|              | Colour Coding                             | Yes                                                                    |        |        |        |        |        |        |        |        |        |
|              | Screen*                                   | Yes - Collective, Overall Screen                                       |        |        |        |        |        |        |        |        |        |
|              | Physical Properties                       | Abrasion Resistance                                                    |        |        |        |        |        |        |        |        |        |
|              |                                           | Good                                                                   |        |        |        |        |        |        |        |        |        |
|              |                                           | Moisture Resistance                                                    |        |        |        |        |        |        |        |        |        |
|              |                                           | Very Good                                                              |        |        |        |        |        |        |        |        |        |
|              | Typical Weight (Kg/100m) (excluding reel) | 11                                                                     | 17     | 23     | 31     | 45     | 60     | 74     | 89     | 120    | 165    |
|              | Diameter under Armour (mm)                | —                                                                      |        |        |        |        |        |        |        |        |        |
|              | Diameter over Armour (mm)                 | —                                                                      |        |        |        |        |        |        |        |        |        |
|              | Overall Diameter† (mm)                    | 10.6                                                                   | 12.5   | 15.2   | 16.1   | 20.4   | 22.8   | 24.9   | 28.4   | 33.2   | 39.2   |
| Notes        |                                           | Individually and collectively screened. Flame retardant PVC insulated. |        |        |        |        |        |        |        |        |        |

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

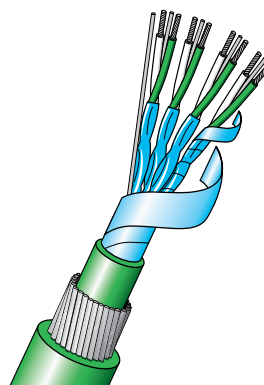
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

| Colour Codes available (other colour codes available on request) |  | Order Code - Example                                                                                                                                    |                   |             |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60584-3                                                      |  | Stock No.                                                                                                                                               | Thermocouple Type | Colour Code |
|                                                                  |  | M3512                                                                                                                                                   | - KX              | - IEC       |
| ANSI MC96.1                                                      |  | These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request. |                   |             |
|                                                                  |  | These cables are normally available from us for <b>immediate</b> delivery from stock to IEC 60584-3 colour coding.                                      |                   |             |

# FR PVC Insulated Multipair Thermocouple Cable

## 7/0.2mm Armoured Flame Retardant PVC Insulated Multipairs -30°C to +75°C

- Extremely useful where there is a need to run a number of thermocouple signals back to instrumentation
- 7/0.2mm (0.22mm<sup>2</sup>) diameter conductors with an individual and collective screen. Cores, bedding and overall sheath in flame retardant PVC with stainless steel armour overall



### Armoured PVC Multipair

Multipairs of stranded 7/0.2mm diameter conductors FR PVC insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. FR PVC bedded. Steel wire armoured and FR PVC sheathed.

| Stock Number |                                           | M1702/<br>SWA                                                          | M1704/<br>SWA | M1706/<br>SWA | M1708/<br>SWA | M1712/<br>SWA | M1716/<br>SWA | M1720/<br>SWA | M1724/<br>SWA | M1736/<br>SWA | M1750/<br>SWA |
|--------------|-------------------------------------------|------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| CONDUCTORS   | Conductor Style                           | Stranded                                                               |               |               |               |               |               |               |               |               |               |
|              | No. of Strands / Strand Diameter (mm)     | 7/0.2                                                                  | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         | 7/0.2         |
|              | Total Area (mm <sup>2</sup> )             | 0.22                                                                   | 0.22          | 0.22          | 0.22          | 0.22          | 0.22          | 0.22          | 0.22          | 0.22          | 0.22          |
|              | Total AWG (S = Stranded)                  | 24S                                                                    | 24S           | 24S           | 24S           | 24S           | 24S           | 24S           | 24S           | 24S           | 24S           |
| PAIRS        | Insulation                                | Flame Retardant PVC                                                    |               |               |               |               |               |               |               |               |               |
|              | Number of Pairs                           | 2                                                                      | 4             | 6             | 8             | 12            | 16            | 20            | 24            | 36            | 50            |
|              | Laid Flat or Twisted                      | Twisted                                                                |               |               |               |               |               |               |               |               |               |
|              | Screen*                                   | Yes - Individually Screened Pairs                                      |               |               |               |               |               |               |               |               |               |
| OVERALL      | Insulation                                | Flame Retardant PVC                                                    |               |               |               |               |               |               |               |               |               |
|              | Insulation Rating (°C)                    | Continuous                                                             |               |               |               |               |               |               |               |               |               |
|              |                                           | -30 to +75                                                             |               |               |               |               |               |               |               |               |               |
|              | Insulation Rating (°C)                    | Short Term                                                             |               |               |               |               |               |               |               |               |               |
|              |                                           | —                                                                      |               |               |               |               |               |               |               |               |               |
|              | Colour Coding                             | Yes                                                                    |               |               |               |               |               |               |               |               |               |
|              | Screen*                                   | Yes - Collective, Overall Screen                                       |               |               |               |               |               |               |               |               |               |
|              | Physical Properties                       | Abrasion Resistance                                                    |               |               |               |               |               |               |               |               |               |
|              |                                           | Good                                                                   |               |               |               |               |               |               |               |               |               |
|              |                                           | Moisture Resistance                                                    |               |               |               |               |               |               |               |               |               |
|              | Typical Weight (Kg/100m) (excluding reel) | Very Good                                                              |               |               |               |               |               |               |               |               |               |
|              |                                           | 31                                                                     | 34            | 42            | 45            | 59            | 68            | 76            | 85            | 105           | 140           |
|              | Diameter under Armour (mm)                | 7.6                                                                    | 8.3           | 9.7           | 10.5          | 12.4          | 13.9          | 15.3          | 16.6          | 19.0          | 22.6          |
|              | Diameter over Armour (mm)                 | 9.4                                                                    | 10.1          | 11.5          | 12.4          | 14.2          | 15.7          | 17.1          | 18.4          | 21.8          | 24.4          |
|              | Overall Diameter† (mm)                    | 12.6                                                                   | 13.3          | 14.7          | 15.5          | 18.0          | 19.7          | 21.1          | 22.4          | 24.8          | 28.4          |
| Notes        |                                           | Individually and collectively screened. Flame retardant PVC insulated. |               |               |               |               |               |               |               |               |               |

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

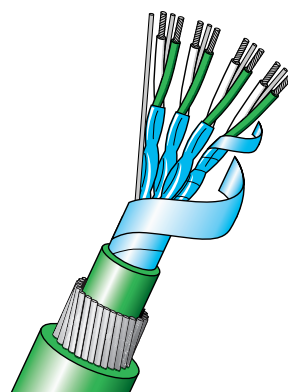
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

| Colour Codes available (other colour codes available on request) |  | Order Code - Example                                                                                                                                    |                   |             |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60584-3                                                      |  | Stock No.                                                                                                                                               | Thermocouple Type | Colour Code |
|                                                                  |  | M1702/SWA                                                                                                                                               | - KX              | - IEC       |
| ANSI MC96.1                                                      |  | These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request. |                   |             |
|                                                                  |  | These cables are normally available from us for <b>immediate</b> delivery from stock to IEC 60584-3 colour coding.                                      |                   |             |

# FR PVC Insulated Multipair Thermocouple Cable

## 16/0.2mm Armoured Flame Retardant PVC Insulated Multipairs -30°C to +75°C

- Extremely useful where there is a need to run a number of thermocouple signals back to instrumentation
- 16/0.2mm diameter (0.5mm<sup>2</sup>) conductors with an individual and collective screen. Cores, bedding and overall sheath in flame retardant PVC with stainless steel armour overall



### Armoured PVC Multipair

Multipairs of stranded 16/0.2mm diameter conductors FR PVC insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. FR PVC bedded. Steel wire armoured and FR PVC sheathed.

| Stock Number               |                                       | M3502/<br>SWA                                                          | M3504/<br>SWA | M3506/<br>SWA | M3508/<br>SWA | M3512/<br>SWA | M3516/<br>SWA | M3520/<br>SWA | M3524/<br>SWA | M3536/<br>SWA | M3550/<br>SWA |     |
|----------------------------|---------------------------------------|------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|
| CONDUCTORS                 | Conductor Style                       | Stranded                                                               |               |               |               |               |               |               |               |               |               |     |
|                            | No. of Strands / Strand Diameter (mm) | 16/0.2                                                                 | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        | 16/0.2        |     |
|                            | Total Area (mm²)                      | 0.5                                                                    | 0.5           | 0.5           | 0.5           | 0.5           | 0.5           | 0.5           | 0.5           | 0.5           | 0.5           |     |
|                            | Total AWG (S = Stranded)              | 20S                                                                    | 20S           | 20S           | 20S           | 20S           | 20S           | 20S           | 20S           | 20S           | 20S           |     |
|                            | Insulation                            | Flame Retardant PVC                                                    |               |               |               |               |               |               |               |               |               |     |
| PAIRS                      | Number of Pairs                       | 2                                                                      | 4             | 6             | 8             | 12            | 16            | 20            | 24            | 36            | 50            |     |
|                            | Laid Flat or Twisted                  | Twisted                                                                |               |               |               |               |               |               |               |               |               |     |
|                            | Screen*                               | Yes - Individually Screened Pairs                                      |               |               |               |               |               |               |               |               |               |     |
| OVERALL                    | Insulation                            | Flame Retardant PVC                                                    |               |               |               |               |               |               |               |               |               |     |
|                            | Insulation Rating (°C)                | Continuous                                                             |               |               |               |               |               |               |               |               |               |     |
|                            |                                       | -30 to +75                                                             |               |               |               |               |               |               |               |               |               |     |
|                            | Insulation Rating (°C)                | Short Term                                                             |               |               |               |               |               |               |               |               |               |     |
|                            |                                       | —                                                                      |               |               |               |               |               |               |               |               |               |     |
|                            | Colour Coding                         | Yes                                                                    |               |               |               |               |               |               |               |               |               |     |
|                            | Screen*                               | Yes - Collective, Overall Screen                                       |               |               |               |               |               |               |               |               |               |     |
|                            | Physical Properties                   | Abrasion Resistance                                                    | Good          |               |               |               |               |               |               |               |               |     |
|                            |                                       | Moisture Resistance                                                    | Very Good     |               |               |               |               |               |               |               |               |     |
|                            |                                       | Typical Weight (Kg/100m)<br>(excluding reel)                           | 35            | 55            | 68            | 84            | 112           | 145           | 168           | 207           | 265           | 347 |
| Diameter under Armour (mm) | 10.6                                  | 12.5                                                                   | 15.2          | 16.1          | 20.4          | 22.8          | 24.9          | 28.4          | 33.2          | 39.2          |               |     |
| Diameter over Armour (mm)  | 11.9                                  | 15.0                                                                   | 17.7          | 19.3          | 23.6          | 26.0          | 28.1          | 32.4          | 37.2          | 44.2          |               |     |
| Overall Diameter† (mm)     | 14.7                                  | 18.0                                                                   | 20.9          | 22.5          | 27.2          | 29.6          | 31.9          | 36.4          | 41.4          | 48.8          |               |     |
| Notes                      |                                       | Individually and collectively screened. Flame retardant PVC insulated. |               |               |               |               |               |               |               |               |               |     |

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

| Colour Codes available (other colour codes available on request) |  | Order Code - Example                                                                                                                                    |                   |             |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60584-3                                                      |  | Stock No.                                                                                                                                               | Thermocouple Type | Colour Code |
|                                                                  |  | M3502/SWA                                                                                                                                               | - KX              | - IEC       |
| ANSI MC96.1                                                      |  | These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request. |                   |             |
|                                                                  |  | These cables are normally available from us for <b>immediate</b> delivery from stock to IEC 60584-3 colour coding.                                      |                   |             |





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