# COUPLIX®

## *Thermocouple cables, main products*

| Diagram | Extension or compensation symbol | COUPLIX® reference | Conductor insulation | Sheathing material | Temperature of insulation at continuous operating temperature (1) |
|---|---|---|---|---|---|
| **Colour represented = IEC, K couple**  | **T, J, E, K, N** | - MY2-Y2<br>- M6-6<br>- M5-5 | PVC 105 °C<br>FEP<br>PFA | PVC 105 °C<br>FEP<br>PFA | -30 to +105 °C<br>-190 to +205 °C<br>-190 to +260 °C |
| **Colour represented = IEC, J couple**  | **T, J, E, K, N** | - MV-VS | Fibreglass | Fibreglass | -60 to +300 °C |
| | | - MV-VS-R | High temperature fibreglass | High temperature fibreglass | -60 to +400 °C |
| **Colour represented = white (invariable)**  | **E, K, N** | - MSI-SI<br>- MNX-NX | Silica fibre<br>Borosilicoaluminate fibre | Silica fibre<br>Borosilicoaluminate fibre | 0 to +1000 °C<br>0 to +1200 °C |
| **Colour represented = amber (invariable)**  | **T, J, E, K, N** | - MK-K | Polyimide | Polyimide | -190 to +350 °C |
| **Colour represented = IEC, N couple**  | **T, J, E, K, N** | - BIM-Y2<br>- BGM-Y2<br>- BEM-Y2 | PVC 105 °C<br>PVC 105 °C<br>PVC 105 °C | Stainless steel braid<br>Galvanized steel braid<br>Tin-plated copper braid | -30 to +105 °C |
| | | - BIM-FEP<br>- BGM-FEP<br>- BEM-FEP | FEP<br>FEP<br>FEP | Stainless steel braid<br>Galvanized steel braid<br>Tin-plated copper braid | -190 to +205 °C |
| | | - BIM-PFA | PFA | Stainless steel braid | -190 to +260 °C |
| **Colour represented = ANSI, K couple**  | **T, J, E, K, N** | - BIMY2-Y2<br>- BGMY2-Y2<br>- BEMY2-Y2 | PVC 105 °C<br>PVC 105 °C<br>PVC 105 °C | PVC 105 °C / Stainless steel braid<br>PVC 105 °C / Tin-plated copper braid<br>PVC 105 °C / Stainless steel braid | -30 to +105°C |
| | | - BIM6-6<br>- BGM6-6<br>- BEM6-6 | FEP<br>FEP<br>FEP | FEP / Stainless steel braid<br>FEP / Galvanised steel braid<br>FEP / Tin-plated copper braid | -190 to +205 °C |
| | | - BIM5-5 | PFA | PFA / Stainless steel braid | -190 to +260 °C |
| **Colour represented = IEC, E couple**  | **T, J, E, K, N** | - BIMV-VS<br>- BGMV-VS | Fibreglass<br>Fibreglass | Fibreglass / Stainless steel braid<br>Fibreglass / Galvanised steel braid | -60 to +300 °C |
| | | - BEMV-VS | Fibreglass | Fibreglass / Tin-plated copper braid | -60 to +250 °C |
| | | - BIMV-VS-R | High temperature fibreglass | High temperature fibreglass<br>Stainless steel braid | -60 to +400 °C |

(1) Caution: the limit temperature of the insulation does not forcibly match the field of use of the thermocouple.
It may be higher or lower than required.
It is important to take into account the limits of use of the thermocouple in question and those of the insulation to calculate the possible range of use of one of our thermocouple cables.

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