








PYROMETRY CABLES

THERMOCOUPLES, EXTENSION
AND COMPENSATION CABLES

COUPLIX®

Thermocouple cables,
main products

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

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(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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LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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