

PYROMETRY CABLES

THERMOCOUPLES, EXTENSION
AND COMPENSATION CABLES**COUPLIX®****Extension and compensation cables,
main products**

Diagram	Extension or compensation symbols	COUPLIX® reference (1)	Cable shape (2)	Conductor insulation	Sheathing material	Temperature of insulation at continuous operating temperature (3)
	All types	- MY2-Y2	Round	PVC 105 °C	PVC 105 °C	-30 to +105 °C
Colour represented = IEC, KX1		- MC-CS	Round	Silicone	Silicone	-60 to +200 °C
	All types	- MY2BE-Y2	Round	PVC 105 °C	Screen (tin-plated copper braid) + PVC 105 °C	-30 to +105 °C
Colour represented = IEC, JX1		- MCBE-CS	Round	Silicone	Screen (tin-plated copper braid) + silicone	-60 to +200 °C
	All types	- MY2BAL-Y2	Round	PVC 105 °C	Screen (PET/aluminium tape) + PVC 105 °C	-30 to +105 °C
Colour represented = IEC, EX1		- MCBAL-CS	Round	Silicone	Screen (PET/aluminium tape) + silicone	-60 to +200 °C
	All types	- MC-FEP	Round	FEP	Silicone	-60 to +205 °C
Colour represented = IEC, TX1						
	All types	- MCBE-FEP	Round	FEP	Screen (tin-plated copper braid) + silicone	-60 to +205 °C
Colour represented = IEC, NX1						
	All types	- M6-6	Round	FEP	PEP	-190 to +205 °C
Colour represented = IEC, JX1		- M5-5	Round	PFA	PFA	-190 to +260 °C
	All types	- M6BE-6	Round	FEP	Screen (tin-plated copper braid) / FEP	-190 to +205 °C
Colour represented = IEC, KX1		- M5BE-5	Round	PFA	Screen (tin-plated copper braid) / PFA	-190 to +260 °C
	All types	- MV-PFA	Flat	PFA	Fibreglass	-60 to +260 °C
Colour represented = IEC, EX1						
	All types	- BGMV-CS	Flat	Silicone	Fibreglass + Galvanised steel braid	-60 to +220 °C
Colour represented = IEC, KX1						
	All types	- MV-VS	Flat	Fibreglass	Fibreglass	-60 to +300 °C
Colour represented = IEC, JX1		- MVVS-R	Flat	High temperature fibreglass	High temperature fibreglass	-60 to +400 °C
	All types	- BGMV-VS	Round	Fibreglass	Fibreglass + Galvanised steel braid	-60 to +300 °C
Colour represented = IEC, SCA		- BIMV-VS	Round	Fibreglass	Fibreglass + Stainless steel braid	-60 to +300 °C
	All types	- BGMV-FEP	Round	FEP	Fibreglass + Galvanised steel braid	-60 to +205 °C
Colour represented = IEC, KX1		- BIMV-PFA	Round	PFA	Fibreglass + Stainless steel braid	-60 to +260 °C
	All types	- MVK-KVS	Round	Polyimide / Fibreglass	Polyimide / Fibreglass	-60 to +350 °C
Colour represented = IEC, JX1						

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(1) We strongly recommend the use of extension cables or compensation cables with electrical screens as surrounding electromagnetic disturbances may be sources of imprecision in the signal carried.

(2) Flat cables (parallel conductors) may also be produced in round shape. The conductors are twisted around each other with filling as necessary. Round cables may not be produced as flat cables.

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

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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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OMERIN
LES CABLES DE L'EXTREME