



Heat-Resistance Cables (온도보상도선)

Extension and compensation cables for thermocouples

RoHS

Main products

Diagrams	Extension or compensation symbol	COUPLIX® Insulation reference	Shape of cable	Conductor	Insulation Sheath	Continuous working temperatures of insulation
Colour shown = IEC, KX1	All types	MY2-Y2	Round	PVC 105°C	PVC 105°C	-30 to +105° C
		MC-CS	Round	Silicone	Silicone	-60 to +200° C
Colour shown = IEC, JX1	All types	MY2BE-Y2	Round	PVC 105°C	Screen (tinned copper braid) / PVC 105°C	-30 to +105° C
		MCBE-CS	Round	Silicone	Screen (tinned copper braid) / silicone	-60 to +200° C
Colour shown = IEC, EX1	All types	MY2BAL-Y2	Round	PVC 105°C	Screen (PET tape/aluminium) / PVC 105° C	-30 to +105° C
		MCBAL-CS	Round	Silicone	Screen (PET tape/aluminium) / silicone	-60 to +200° C
Colour shown = IEC, TX1	All types	MC-FEP	Round	FEP	Silicone	-60 to +205° C
Colour shown = IEC, NX1	All types	MCBE-FEP	Round	FEP	Screen (tinned copper braid) / silicone	-60 to +205° C
						
Colour shown = IEC, JX1	All types	M6-6	Round	FEP	FEP	-190 to +205° C
		M5-5	Round	PFA	PFA	-190 to +260° C
Colour shown = IEC, KX1	All types	M6BE-6	Round	FEP	Screen (tinned copper braid) / FEP	-190 to +205° C
		M5BE-5	Round	PFA	Screen (tinned copper braid) / PFA	-190 to +260° C
Colour shown = IEC, EX1	All types	MV-PFA	Flat	PFA	Fibreglass	-60 to +260° C
Colour shown = IEC, KX1	All types	BGMV-CS	Flat	Silicone	Fibreglass / Galvanized steel braid	-60 to +220° C
						
Colour shown = IEC, JX1	All types	MV-VS	Flat	Fibreglass	Fibreglass	-60 to +350°C
		MV-VS-R	Flat	High temperature Fibreglass	High temperature fibreglass	-60 to +600°C
Colour shown = IEC, SCA	All types	BGMV-VS	Round	Fibreglass	Fibreglass / Galvanized steel braid	-60 to +350°C
		BIMV-VS	Round	Fibreglass	Fibreglass / Stainless steel braid	-60 to +350°C
Colour shown = IEC, JX1	All types	MA-VAS	Flat	Mineral fibre	Mineral fibre	-60 to +600° C
Colour shown = IEC, KX1	All types	BGMV-FE P	Round	FEP	Fibreglass / Galvanized steel braid	-60 to +205° C
		BIMV-PFA	Round	PFA	Fibreglass / Stainless steel braid	-60 to +260° C
Colour shown = IEC, JX1	All types	MVK-KVS	Round	Polyimid Kapton® / Fibreglass	Polyimid Kapton® / Fibreglass	-60 to +500° C
						
Colour shown = IEC, EX1	All types	MSI-S1	Flat	Silica fibre	Silica fibre	0 to +1100° C
		MNX-NX	Flat	Ceramic fibre NEXTEL®	Ceramic fibre NEXTEL®	0 to +1400° C

Kapton® : Du Pont de Nemours registered trademark. Nextel® : 3M registered trademark.

Cores

Cross-section mm ²	AWG Equivalence	Stranding number of strands x diameter (mm)
0.22	24	3 x 0.30*
0.22	24	7 x 0.20*
0.35	22	5 x 0.30*
0.35	22	1 x 0.65
0.5	20	7 x 0.30*
0.5	20	16 x 0.20
0.6	20	19 x 0.20
0.75	19	11 x 0.30
1	18	14 x 0.30*
1.34	16	19 x 0.30*
1.34	16	1 x 1.29
1.34	16	4 x 0.65
1.5	16	21 x 0.30
1.5	16	48 x 0.20
2.0	14	28 x 0.30
2.5	13	35 x 0.30
2.5	13	7 x 0.65

* : Most common cross-sections and stranding.

Products

- The main products are described on page 112.
- The main cables manufactured are bipolar (one positive conductor and one negative).
- Any separating tapes are not shown. They can nevertheless be found in certain cases to facilitate the manufacture or use of the cable (separators between electrical screen and conductors, separator between insulation and sheath, etc.).
- Outer diameters : consult us.
- When the cables have an outer braid in galvanized or stainless steel, the coding by coloured spiral tracers is optional.
- The reference cables MSI-SI and MNX-NX have an invariable colour : natural white (conductors and sheath).

Packaging

- Rolls, spools or drums.

Options

- Other cross-sections and stranding: consult us.
- Other insulation : consult us.
- Multipair cables, with or without individual screen, with or without general screen : consult us.
- Imposed maximum outer diameters: consult us.
- Hybrid cables : consult us.

Designation

