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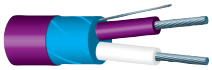
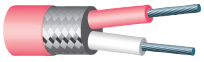
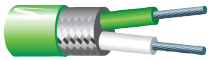
Extension and compensation cables

MAIN PRODUCTS

Diagrams	Extension or compensation symbol	COUPLIX® Insulation reference	Shape of cable	Insulation: Conductor	Insulation: Sheath	Continuous working temperatures of insulation
Colour shown = IEC, KX1						
	All types	MY2-Y2 MC-CS	Round Round	PVC 105°C Silicone	PVC 105 °C Silicone	– 30 to + 105°C – 60 to + 200°C
Colour shown = IEC, JX1						
	All types	MY2BE-Y2 MCBE-CS	Round Round	PVC 105°C Silicone	Screen (tinned copper braid) / PVC 105°C Screen (tinned copper braid) / silicone	– 30 to + 105°C – 60 to + 200°C
Colour shown = IEC, EX1						
	All types	MY2BAL-Y2 MCBAL-CS	Round Round	PVC 105°C Silicone	Screen (PET tape/aluminium) / PVC 105°C Screen (PET tape/aluminium) / silicone	– 30 to + 105°C – 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 M5-5	Round Round	FEP PFA	FEP PFA	– 190 to + 205°C – 190 to + 260°C
Colour shown = IEC, KX1						
	All types	M6BE-6 M5BE-5	Round Round	FEP PFA	Screen (tinned copper braid) / FEP Screen (tinned copper braid) / PFA	– 190 to + 205°C – 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 MV-VS-R	Flat Flat	Fibreglass High temperature Fibreglass	Fibreglass High temperature fibreglass	– 60 to + 350°C – 60 to + 400°C
Colour shown = IEC, SCA						
	All types	BGMV-VS BIMV-VS	Round Round	Fibreglass Fibreglass	Fibreglass / Galvanized steel braid Fibreglass / Stainless steel braid	– 60 to + 350°C – 60 to + 350°C
Colour shown = IEC, JX1						
	All types	MA-VAS	Flat	Mineral fibre	Mineral fibre	– 60 to + 400°C
Colour shown = IEC, KX1						
	All types	BGMV-FEP BIMV-PFA	Round Round	FEP PFA	Fibreglass / Galvanized steel braid Fibreglass / Stainless steel braid	– 60 to + 205°C – 60 to + 260°C
Colour shown = IEC, JX1						
	All types	MVK-KVS	Round	Polyimid Kapton® / Fibreglass	Polyimid Kapton® / Fibreglass	– 60 to + 350°C
Colour shown = IEC, EX1						
	All types	MSI-SI MNX-NX	Flat Flat	Silica fibre Ceramic fibre NEXTEL®	Silica fibre Ceramic fibre NEXTEL®	0 to + 1100°C 0 to + 1400°C

CORES

Cross-section mm²	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

Example: **KX1 - MCBE-FEP - IEC - 2 x 1.34 mm² (19 / 0.30 mm)**

xxx - xxxxxxx - xxx - x **x** xxx mm² (xx / xxx mm)

- Extension or compensation symbol
- Insulation reference (see main products p. 112)
- Standard applicable for colour coding (refer to summary table : General).
- 2 x : bipolar cable
  n p : cable with n pairs
- Cross-section of core in mm² or AWG.
- Number of strands.
- Diameter of each strand (in mm).