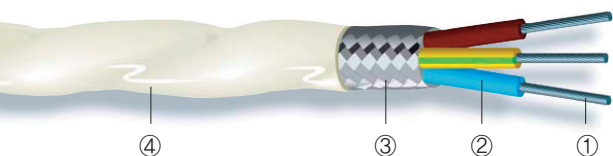


Heat-Resistance Cables

M6BE-E6 -90°C to +200°C

RoHS



- ① Flexible tinned copper core – class 5 – IEC 228.
- ② FEP fluorinated polymer insulator.
- ③ Electrical screen braid in tinned copper.
- ④ Outer sheath in FEP fluorinated polymer.

Characteristics

Physical-chemical

- Continuous working temperatures : - 90°C to + 200°C
- Excellent resistance to aggressive chemical atmospheres.
- Excellent resistance to humidity.
- Suitable for sterilization.

Electrical

- Working voltage : 300/500V.
- Test voltage : 2000V.

Products

- Insulated conductors : any colours.
- Outer sheath : grey or white; other colours, consult us.

Packaging

- Rolls, spools or drums.

Options

- Insulator and sheath in fluorinated polymer PFA for a continuous working temperature of **260°C**: ref. **M5BE-E5**.
- Insulator and sheath in fluorinated polymer ETFE for a continuous working temperature of **155°C** and improved mechanical resistance : ref. **M7BE-E7**.
- Red copper, silver-plated or nickel-plated copper cores : consult us.
- Other cross-sections and conductor number : consult us.

Applications

- Wiring of electrical heating appliances.
- Use in medical field, for the wiring of sterilizable surgical instruments.
- Any power supply cords requiring resistance to alternate bending.
- Wiring of resistance temperature detectors type PT100.



Core

Insulated wire or cable

Nominal cross-section mm ²	Nominal core stranding	Nominal diameter mm	Diameter of braid strands min / max mm	Nominal sheath thickness mm	Nominal outer diameter mm	Approx. linear weight kg/km
2 x 0.5	16 x 0.20	1.40	0.10 / 0.13	0.25	3.7	28.1
3 x 0.5	16 x 0.20	1.40	0.10 / 0.13	0.25	3.9	35.6
4 x 0.5	16 x 0.20	1.40	0.10 / 0.13	0.25	4.4	44.6
5 x 0.5	16 x 0.20	1.40	0.10 / 0.13	0.30	4.8	58.5
7 x 0.5	16 x 0.20	1.40	0.10 / 0.13	0.30	5.2	74.5
2 x 0.75	24 x 0.20	1.65	0.10 / 0.13	0.25	4.2	36.2
3 x 0.75	24 x 0.20	1.65	0.10 / 0.13	0.25	4.4	47.7
4 x 0.75	24 x 0.20	1.65	0.10 / 0.13	0.25	4.9	64.8
5 x 0.75	24 x 0.20	1.65	0.10 / 0.13	0.30	5.5	77.7
7 x 0.75	24 x 0.20	1.65	0.10 / 0.13	0.30	5.9	100
2 x 1	32 x 0.20	1.75	0.10 / 0.13	0.25	4.4	41.6
3 x 1	32 x 0.20	1.75	0.10 / 0.13	0.25	4.7	55.4
4 x 1	32 x 0.20	1.75	0.10 / 0.13	0.30	5.2	74.7
5 x 1	32 x 0.20	1.75	0.10 / 0.13	0.30	5.7	89.5
7 x 1	32 x 0.20	1.75	0.13 / 0.20	0.30	6.5	117
2 x 1.5	30 x 0.25	2.15	0.10 / 0.13	0.25	5.2	63.4
3 x 1.5	30 x 0.25	2.15	0.10 / 0.13	0.30	5.6	83.2
4 x 1.5	30 x 0.25	2.15	0.13 / 0.20	0.30	6.4	105
5 x 1.5	30 x 0.25	2.15	0.13 / 0.20	0.40	7.2	129
7 x 1.5	30 x 0.25	2.15	0.13 / 0.20	0.40	8.0	170
2 x 2.5	50 x 0.25	2.75	0.13 / 0.20	0.30	6.7	93.8
3 x 2.5	50 x 0.25	2.75	0.13 / 0.20	0.40	7.1	125
4 x 2.5	50 x 0.25	2.75	0.13 / 0.20	0.40	8.0	163
5 x 2.5	50 x 0.25	2.75	0.13 / 0.20	0.50	8.9	206
7 x 2.5	50 x 0.25	2.75	0.13 / 0.20	0.50	9.8	273