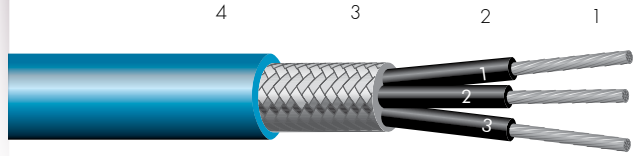


PLASTHERM® MYBE-EY-CSI

-20 °C to +80 °C
INTRINSIC SAFETY



- 1 • Flexible tin-plated copper core.
- 2 • Insulation: PVC 80 °C.
- 3 • Electrical shielding: tin-plated copper braid.
- 4 • Outer sheath: Special blue colour PVC

Applications

- Cable intended for instrumentation and control, for fixed intrinsic safety circuit installations.

Options

- Insulation and/or outer sheath made of PVC 105 °C: contact us.
- Other nominal cross-sections: contact us.
 - Other nominal stranding: contact us.
- Other numbers of conductors: contact us.

Characteristics

General

- Continuous operating temperatures: -20 °C to +80 °C.
- Good resistance to thermal shock.
- Good mechanical strength.
- Good resistance to common chemical environments and hydrocarbons (except aromatic).

Electrical

- Rated voltage: 600/1 000 V.
- Test voltage: 3 000 V.

Other characteristics

- Flame retardant: Category C2 cables (NF C 32-070) and IEC 60 332-1
- Overlapping of electrical shield ≥ 60 %

Standard products

- Standard conductor colours: black with white numbers.
- Standard outer sheath colour: blue.

Identification

Multi-conductor cables without an earth wire are identified as follows:

< Number of conductors > X < Cross-section > (mm²) [example: 3 X 0.75 mm²].

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the X (example 3 G 0.75 mm²).

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
2 x 0.75	24 x 0.20	26.7
3 x 0.75	24 x 0.20	26.7
4 x 0.75	24 x 0.20	26.7
5 x 0.75	24 x 0.20	26.7
7 x 0.75	24 x 0.20	26.7
12 x 0.75	24 x 0.20	26.7
19 x 0.75	24 x 0.20	26.7
27 x 0.75	24 x 0.20	26.7
37 x 0.75	24 x 0.20	26.7
48 x 0.75	24 x 0.20	26.7
61 x 0.75	24 x 0.20	26.7

INSULATED CONDUCTORS

Nominal thickness of insulation (mm)	Nominal diameter (mm)
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35
0.6	2.35

SHEATHED CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
7.3	75
7.7	95
8.3	105
9.0	125
9.6	160
12.9	240
15.1	350
17.9	495
15.4	655
18.5	837
20.9	1053

For this product, please contact:

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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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