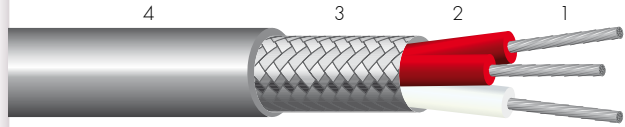


PYROMETRY CABLES

PLATINUM RESISTANCE TEMPERATURE SENSORS CONNECTION CABLES

**SONDIX®**  
with fluorinated insulation  
and silicone sheath  
**-60 °C to +220 °C**



- 1 • Bare, tin-plated, nickel-plated or silver-plated copper core.
- 2 • Fluorinated polymer ETFE, FEP or PFA.
- 3 • Optional electrical screen, tin-plated, nickel-plated or silver-plated copper.
- 4 • Silicone rubber outer sheath.

**Approvals - standards**

- Cables and identification as per IEC 60 751, NF C 43-330, DIN 43760 and BS 1904.

**Applications**

- Wiring of platinum resistance temperature sensors.

**Options**

- Other core cross-sections or number of conductors: contact us.
- Solid or extra-flexible cores: contact us.

**Characteristics General**

- Maximum admissible temperature of cable according to insulation used:
 

ETFE	FEP	PFA
Continuous operation -60 °C to:	+150 +200	+220 °C
Short period -60 °C to:	+170 +220	+260 °C

- Excellent resistance to humidity and UV.
- Excellent resistance to chemical influences.

**Electrical**

- Operating voltage: 300 V.

**Standard products**

- 2, 3, 4, 6 or 8 conductors.
- Identification:
  - 2 conductors: 1 red / 1 white.
  - 3 conductors: 2 red / 1 white.
  - 4 conductors: 2 red / 2 white.
  - 6 conductors: 4 red / 2 white.
  - 8 conductors: 4 red / 4 white.
- Sheath colours: grey or brick red.

**Product references**

**Unshielded cables**

**Shielded cables**

**Core / screen**

- Bare copper (CuA1)
- Tin-plated copper (CuSn)
- Silver-plated copper (CuAg)
- Nickel-plated copper (CuNi)

**Insulation**

ETFE	FEP	PFA
MC-ETFE	-	-
MC-EETFE	MC-EFEP	MC-EPFA
-	MC-AFEP	MC-APFA
-	-	MC-CNPFPA

**Insulation**

ETFE	FEP	PFA
-	-	-
MCBE-EETFE	MCBE-EFEP	MCBE-EPFA
-	MCBA-AFEP	MCBA-APFA
-	-	MCBCN-CNPFPA

**Insulated conductors**

**Unshielded cables**

**Shielded cables**

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Outside diameter (mm)	Maximum linear resistance at 20°C (CuSn) (Ω/km)	Nominal outside diameter (mm)	Diameter of braid strands (mm)	Nominal outside diameter (mm)
2 x 0.14 <sup>(1)</sup>	7 x 0.16 <sup>(1)</sup>	0.8	166	2.8	0.10	3.8
3 x 0.14 <sup>(1)</sup>	7 x 0.16 <sup>(1)</sup>	0.8	166	3.2	0.10	4.0
4 x 0.14 <sup>(1)</sup>	7 x 0.16 <sup>(1)</sup>	0.8	166	3.6	0.10	4.2
6 x 0.14 <sup>(1)</sup>	7 x 0.16 <sup>(1)</sup>	0.8	166	4.2	0.10	4.8
2 x 0.22	7 x 0.20	1.0	92.5	3.2	0.10	3.8
3 x 0.22	7 x 0.20	1.0	92.5	3.8	0.10	4.2
4 x 0.22	7 x 0.20	1.0	92.5	3.8	0.10	4.4
6 x 0.22	7 x 0.20	1.0	92.5	4.5	0.10	5.0
8 x 0.22	7 x 0.20	1.0	92.5	5.2	0.10	5.6
2 x 0.34	7 x 0.25	1.15	59.2	3.5	0.10	4.2
3 x 0.34	7 x 0.25	1.15	59.2	3.8	0.10	4.4
4 x 0.34	7 x 0.25	1.15	59.2	4.0	0.10	4.6
6 x 0.34	7 x 0.25	1.15	59.2	4.8	0.10	5.2

For this product, please contact:

(1) In bare copper (CuA1) the nominal cross-section and nominal stranding are : 0,12 mm<sup>2</sup> (7 x 0,15).

**OMERIN division principale** ✓  
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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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