

# COUPLIX®

## KX-M-EE

- 1 • Couple KX: Nickel-chromium / Nickel-aluminium
- 2 • Polyimide tape
- 3 • PTFE tape
- 4 • Nickel plated copper spiral shield
- 5 • Polyimide tape
- 6 • PTFE tape (Light Yellow)

### Standards and approvals

- Construction:**
- Inspired of EN 2714
- Performances:**
- EN 3475 / FAR 25
- Thermocouple:**
- EN 60584-3 / ISO 8056-1

### Marking (UV laser printable)

- 1 • On customer specification
- 2 • Inspired of EN 2084: "Product Reference Gauge Country CGP NATO Code Manufacturing Year"

### Cores identification

Two cores: Yellow – Purple  
For any other request: please contact us

### Option

Other cross-sections or constructions on request

### Applications

Measure of temperature by thermoelectric effect  
Extension cables serve to connect the open ends of the two wires of a thermocouple at the reference junction in equipment where the thermocouple is not directly connected to the reference junction



### Characteristics

- **Thermal**  
Continuous operating temperature: **-55°C to +260°C**
- **FEM - Thermocouple**  
4.10 mV ± 0.06 mV at 100°C  
EN 60584-3
- **FEM – Nickel-chromium/Platine wire**  
2.813 mV ± 0.06 mV at 100°C
- **FEM – Nickel-aluminium/Platine wire**  
-1.282 mV ± 0.06 mV at 100°C  
ISO 8056-1
- **Electrical**  
Test voltage (1 min): 600 V RMS

- **Mechanical**  
Cut-through resistance: ★★★★★☆  
Resistance to abrasion: ★★★★★☆ □□□□  
EN 3475
- **Chemical**  
Resistance to chemical environments: ★★★★★★  
Resistance to humidity: ★★★★★★  
Resistance to aircraft fluids: ★★★★★★  
EN 3475
- **Fire-smoke**  
Flame retardant & Low smoke  
EN 3475 / FAR 25
- **Arc tracking resistance**  
EN 3475

### CONSTRUCTION

AWG	Stranding (n / mm)	Cross section (mm <sup>2</sup> )	Cable outer diameter maxi (mm)	Maximum linear weight (kg / km)
2 x AWG 20	19 x 0.20	0.60	3.62	24.1

Maximum linear resistance at 20°C  
(Ω / km)

Yellow core ≤ 1,276

Purple core ≤ 550

Shield ≤ 100

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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 CGP SAS 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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