

COAXTHERM®

RG 59 MINI HT 200C
75 Ohms



- 1 • Plain copper stranded core (CuA1)
- 2 • Fluoropolymer dielectric
- 3 • Tinned copper braid
- 4 • Fluorinated polymer PFA

Marking

"COAXTHERM RG 59 MINI HT 200C –
75 Ohms – < batch number >"

Colour code

- Black jacket

For any other request: please contact us

Applications

Data transmission in high temperature environment for aerospace and defence industries

Characteristics

- **Thermal**
Continuous operating temperature: **-90°C to +200°C**
- **Chemical**
Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
- **Fire-smoke**
Flame retardant

CONSTRUCTION

| INNER CONDUCTOR (1) | | DIELECTRIC (2) | OUTER CONDUCTOR (3) | OUTER SHEATH (4) | Approx. linear weight (kg / km) |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------------|
| Stranding (n x mm) | Nominal diameter (mm) | Nominal diameter (mm) | Nominal diameter (mm) | Nominal diameter (mm) | |
| 7 x 0.10 | 0.30 | 1.70 | 2.10 | 2.70 | 16.0 |

DATA TRANSMISSION CHARACTERISTICS

| | |
|-------------------------|-------------|
| Impedance | 75 Ω |
| Capacitance max | 72.2 pF / m |
| Use frequency max | 1 GHz |
| Velocity of propagation | 69.5% |

SIGNAL ATTENUATION

| Frequency (MHz) | Nominal attenuation (dB / 100 m) |
|-----------------|----------------------------------|
| 200 | 31 |

CGP SAS
62 route du Coin
42400 Saint-Chamond
FRANCE
Phone: **+33 (0)4 77 31 02 54**
www.omerin.com



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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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