

# COAXTHERM®

**RG 179 BU**  
**75 Ohms**



- 1 • Silver-plated copper clad-steel stranded core (CCSAg)
- 2 • Fluoropolymer dielectric
- 3 • Silver plated copper braid
- 4 • Fluorinated polymer FEP

## Standards and approvals

### Construction:

- MIL-DTL-17: MIL-C-17/94

## Marking

"COAXTHERM RG 179 BU – 75 Ohms –  
< batch number >"

## Colour code

- Light Brown jacket

For any other request: please contact us

## Options

Max operating temperature until +230°C

Reference: COAXTHERM® RG 179 BU  
/ PFA

## Applications

Data transmission in high temperature environment for aerospace and defence industries

## Characteristics

- Thermal

Continuous operating temperature: **-55°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	1.60	2.13	2.54	16.0

## DATA TRANSMISSION CHARACTERISTICS

Impedance	75 Ω
Capacitance max	75.5 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	900 V

## SIGNAL ATTENUATION

Frequency (MHz)	Nominal attenuation (dB / 100 m)
400	68.9

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



[www.omerin.com](http://www.omerin.com)

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.

© Registered trademark of the CGP SAS. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of CGP SAS.