

COAXTHERM®

**RG 179 BU / PFA
75 Ohms**



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

Standards and approvals

Construction:

- MIL-DTL-17: MIL-C-17/136

Marking

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

Colour code

- Light Brown 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: **-55°C to +230°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	18.0

DATA TRANSMISSION CHARACTERISTICS

Impedance	75 Ω
Capacitance max	72.2 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

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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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