

# COAXTHERM®

**RG 144 U  
75 Ohms**



- 1 • Silver-plated copper clad-steel stranded core (CCSAg)
- 2 • Fluoropolymer dielectric
- 3 • Silver plated copper braid
- 4 • PTFE double tape
- 5 • Silicone-coated fibreglass double braid

## Standards and approvals

### Construction:

- MIL-DTL-17: MIL-C-17/62

## Marking

"COAXTHERM RG 144 U – 75 Ohms –  
< batch number >"

## Colour code

- 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 +200°C**

### • Chemical

Resistance to chemical environments: ★★☆☆☆

### • 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 0.44	1.33	7.24	8.38	10.40	208.0

## DATA TRANSMISSION CHARACTERISTICS

Impedance	75 Ω
Capacitance max	72.2 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	3,700 V

## SIGNAL ATTENUATION

Frequency (MHz)	Nominal attenuation (dB / 100 m)
400	14.8
3,000	59.1

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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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