

# COAXTHERM®

**KX 21A**  
**50 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:

- UTE C 93-550
- NF C 93-550

## Marking

"COAXTHERM KX 21A – 50 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 +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	0.90	1.37	1.80	8.0

## DATA TRANSMISSION CHARACTERISTICS

Impedance	50 Ω
Capacitance max	105 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	600 V

## SIGNAL ATTENUATION

Frequency (MHz)	Nominal attenuation (dB / 100 m)
200	80

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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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