

COAXTHERM®

RG 115 U
50 Ohms



- 1 • Silver-plated copper stranded core (CuAg)
- 2 • Dielectric in PTFE tapes
- 3 • Silver plated copper double braid
- 4 • PTFE double tape
- 5 • Silicone-coated fibreglass triple braid

Standards and approvals

Construction:

- MIL-DTL-17: MIL-C-17/92

Marking

"COAXTHERM RG 115 U – 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: ★★☆☆☆
- **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 0.71	2.13	6.48	8.25	10.50	275.0

DATA TRANSMISSION CHARACTERISTICS

Impedance	50 Ω
Capacitance max	105 pF / m
Use frequency max	12.4 GHz
Velocity of propagation	69.5%
Operating voltage	3,700 V

SIGNAL ATTENUATION

Frequency (MHz)	Nominal attenuation (dB / 100 m)
50	5.2
100	8.2
1,000	32.2
3,000	75.5

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