- 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-17/95

Marking

"COAXTHERM RG 180 BU / PFA -95 Ohms – < batch number >"

Colour code

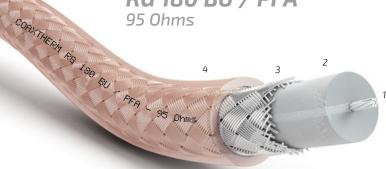
• Light Brown jacket For any other request: please contact us

Applications

Data transmission in high temperature environment for aerospace and defence industries

COAXTHERM®

RG 180 BU / PFA



Characteristics

• Thermal

Continuous operating temperature: -55°C to +230°C

• Chemical

Resistance to chemical environments: $\star\star\star\star\star$

Resistance to humidity: $\star\star\star\star\star$

• Fire-smoke Flame retardant

CONSTRUCTION

INNER CO	NDUCTOR 1)	DIELECTRIC (2)	OUTER CONDUCTOR (3)	OUTER SHEATH (4)	
Stranding (n x mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Approx. linear weight (kg / km)
7 x 0.10	0.30	2.59	3.15	3.58	30.0

DATA TRANSMISSION CHARACTERISTICS

Impedance	95 Ω
Capacitance max	57.1 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	1,100 V

SIGNAL ATTENUATION

Frequency	Nominal attenuation
(MHz)	(dB / 100 m)
400	55.8

CGP SAS

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, witing 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.

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