

GF5-263D

LOW-LOSS HIGH-PERFORMANCE RG316 TYPE COAX



GIVING YOU OPTIONS

GIGAFLIGHT's 50Ω coaxial cable, GF5-263D, is designed as an identical alternative to PIC's S31601. Built with the same materials and matching electricals, GIGAFLIGHT has simplified your design in approvals. Different than the MIL-SPEC RG316, the GF5-263D has a laser-markable jacket and a foil shield along with a round wire braid that improves the shielding effectiveness. GIGAFLIGHT's GF5-263D is compatible with any MIL-SPEC RG316 series connectors.

CABLE CONSTRUCTION

1	Center Conductor	26 AWG Stranded, SPCCS
2	Dielectric	Solid PTFE
3	Inner Shield	Composite Foil
4	Outer Shield	38 AWG Silver-plated Copper Braid
5	Jacket	White, Laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.1" (2.54 mm)
Weight	10 lbs/1000 ft (14.88 kg/1000 m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.5" (12.7 mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	32 pF/ft (104.98 pF/m)	
Velocity	69.5%	
DC Resistance	84.1 Ω/1000 ft (275.92 Ω/1000 m)	
Time Delay	1.45 ns/ft (4.76 ns/m)	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	400 MHz	16 (52.5)
	1000 MHz	26.3 (86.3)
	1600 MHz	34.2 (112.2)
	3000 MHz	48.9 (160.4)



For more attenuation values at different frequencies, view our virtual calculator!

All tests performed in accordance with MIL-DTL-17

GIGAFLIGHT's aerospace cables are designed to be resistant to Skydrol, will meet requirements of RoHS & REACH, & meets Federal Aviation Regulations 14 CFR part 25.869 (a)(4), Appendix F part I (a)(3).

