

GF5-141D

LOW-LOSS HIGH-PERFORMANCE COAX



GIVING YOU OPTIONS

GIGAFLIGHT's GF5-141D is a 50Ω coaxial cable designed as a suitable alternative to PIC's S86208. Built with similar materials and matching electrical specifications, it simplifies your design in approvals. The GF5-141D differs from the S86208 with its white, laser-markable jacket and features both a silver-plated copper flat strip braid (92% coverage) and a silver-plated copper braid (95% coverage) for improved shielding.

CABLE CONSTRUCTION

1	Center Conductor	21 AWG Stranded, Silver-plated Copper
2	Dielectric	Expanded, Extruded PTFE
3	Inner Shield	Silver-plated Copper Flat Strip Braid
4	Outer Shield	38 AWG Silver-plated Copper Braid
5	Jacket	White, Laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.13" (3.3 mm)
Weight	19.5lbs/1000ft (29.02kg/1000m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.65" (16.51 mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	25 pF/ft (82.0 pF/m)	
Velocity	80%	
DC Resistance	11.6 Ω/1000 ft (38.06 Ω/1000 m)	
Time Delay	1.27 ns/ft (4.17 ns/m)	
Shield Effectiveness	>-80 dB	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	400 MHz	8.9 (29.2)
	1000 MHz	14.1 (46.3)
	1600 MHz	17.9 (58.7)
	5000 MHz	32 (104.9)



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).

