

GF5-35D

LOW-LOSS HIGH-PERFORMANCE COAX



GIVING YOU OPTIONS

GIGAFLIGHT's 50Ω coaxial cable, GF5-35D, is designed as an identical alternative to PIC's UH22089. Built with the same materials and matching electricals, GIGAFLIGHT has simplified your design in approvals. The GF5-35D is ideal for applications such as GPS, TCAS, Mode-S, MLS, and SATCOM installations.

The connectors paired with this cable are identical to PIC's 1504XX series connectors.

CABLE CONSTRUCTION

1	Center Conductor	10 AWG Solid SPCCA
2	Dielectric	Low-density PTFE
3	Inner Shield	Silver-plated, Flat Spiral Wrap
4	Outer Shield	34 AWG SPCCA Round Braid
5	Jacket	White, laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.345" (8.76 mm)
Weight	71 lbs/1000 ft (105.66 kg/1000 m)
Operating Temperature	-65°C to +155°C
Minimum Bend Radius	1.725" (43.82 mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	24 pF/ft (78.74 pF/m)	
Velocity	83%	
DC Resistance	2 Ω/1000 ft (6.56 Ω/m)	
Time Delay	1.2 ns/ft (3.94 ns/m)	
Shield Effectiveness	>-90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	400 MHz	2.2 (7.2)
	1000 MHz	3.5 (11.5)
	1600 MHz	4.4 (14.4)
	5000 MHz	8.1 (26.6)

CONNECTORS

STYLE	P/N
SMA Straight	GF5-SS35D
TNC Straight	GF5-TS35D
TNC 90°	GF5-TA35D



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).

