

**GF5-36T-1**

LOW-LOSS HIGH-PERFORMANCE COAX


**GIVING YOU OPTIONS**

GIGAFLIGHT's 50Ω coaxial cable, GF5-36T-1, is designed as a suitable alternative to Carlisle's 310801 and PIC's S22089. Built with the same materials and matching electricals, GIGAFLIGHT has simplified your design in approvals. The GF5-36T-1 is ideal for applications where system loss budgets prevent using higher loss cables.

The connectors paired with this cable are identical to Carlisle's XXX022 and a suitable alternative to PIC's 194XX series connectors.

In addition, the GF5-36T-1 cable features a laser-markable jacket that is smaller and lighter weight than the GF5-36T.

**CABLE CONSTRUCTION**

1	Center Conductor	8 AWG Stranded, Silver-plated Copper
2	Dielectric	Low-density PTFE
3	Inner Shield	Silver-plated Copper Flat Strip Braid
4	Interlayer	Composite Foil
5	Outer Shield	36 AWG Silver-plated Copper Braid
6	Jacket	White, Laser-markable Tefzel

**ENVIRONMENTAL & MECHANICAL PROPERTIES**

Outer Diameter	0.42" (10.67 mm)
Weight	153 lbs/1000 ft (227.69 kg/1000 m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	2.1" (53.34 mm)

**ELECTRICAL PROPERTIES**

Impedance	50Ω	
Capacitance	25 pF/ft (82.02 pF/m)	
Velocity	81%	
DC Resistance	0.67 Ω/1000 ft (2.19 Ω/m)	
Time Delay	1.27 ns/ft (4.17 ns/m)	
Shield Effectiveness	>-90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	150 MHz	1.45 (4.76)
	1000 MHz	3.6 (11.81)
	1600 MHz	4.89 (16.04)
	2400 MHz	6.05 (19.85)
5000 MHz	8.96 (29.39)	

**CONNECTORS**

STYLE	P/N	STYLE	P/N
TNC Straight	GF5-TS36T	N Straight	GF5-NS36T
TNC 90°	GF5-TA36T	N 90°	GF5-NA36T
BNC 90°	GF5-BA36T		



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).

