GIGAFLIGHT® CONNECTIVITY INC.

...Your *form*, *fit* & *function* provider

GF5-56T

LOW-LOSS HIGH-PERFORMANCE COAX

GIVING YOU OPTIONS

GigaFlight's 50Ω coaxial cable, GF5-56T, is designed as a drop-in replacement to commonly used cable 311201. Built with identical materials and matching electricals, GigaFlight has simplified your design in approvals. The connectors paired with this cable are identical to the XXX122 series connectors, which means electrical characteristics, strip dimensions and tooling are the same.

CABLE CONSTRUCTION

1	Center Conductor	12 AWG Stranded Silver-plated Copper
2	Dielectric	Low-density PTFE
3	Inner Shield	SPC Woven Strip
4	Interlayer	Aluminum Foil
5	Outer Shield	SPC Round Braid
6	Jacket	Clear FEP

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.317"
Weight	86 lbs per 1000 ft
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	1.59"

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	25.5 pF per ft	
Velocity	80%	
DC Resistance	1.69Ω/1000 ft	
Time Delay	1.27 ns/ft	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	150 MHz	2.1
	1000 MHz	5.6
	1600 MHz	6.7
	2400 MHz	8.9
	5000 MHz	12.7

CONNECTORS

STYLE	P/N	STYLE	P/N
TNC Straight	GF5-TS56T	N Straight	GF5-NS56T
TNC 90°	GF5-TA56T	N 90°	GF5-NA56T
TNC Bulkhead	GF5-TB56T	N Bulkhead	GF5-NB56T
BNC Straight	GF5-BS56T	SMA Straight	GF5-SS56T
BNC 90°	GF5-BA56T	SMA 90°	GF5-SA56T
		SMA Bulkhead	GF5-SB56T

All tests performed in accordance with MIL-DTL-17

All GIGAFLIGHT aerospace cables are designed to be resistant to Skydrol, are RoHS & REACH compliant and will meet Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amendment 25-113, Appendix F Part I(a)(3)

414.488.6320 | info@gigaflightinc.com | www.gigaflightinc.com
6180 Industrial Court, Greendale, WI 53129

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