GIGAFLIGHT® CONNECTIVITY INC.

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

GF5-124T

LOW-LOSS HIGH-PERFORMANCE COAX

GIVING YOU OPTIONS

GigaFlight's 50Ω coaxial cable, GF5-124T, is designed as a drop-in replacement to commonly used cable 311901. Built with identical materials and matching electricals, GigaFlight has simplified your design in approvals. The connectors paired with this cable are identical to the XXX722 series connectors, which means electrical characteristics, strip dimensions and tooling are the same.

CABLE CONSTRUCTION		
1	Center Conductor	19 AWG Solid Silver-plated Copper
2	Dielectric	Solid High Temp. Fluoropolymer
3	Inner Shield	SPC Woven Strip
4	Interlayer	Aluminum Foil
5	Outer Shield	SPC Round Braid
6	Jacket	Translucent Blue FEP

ENVIRONMENTAL & MECHANICAL PROPERTIES	
Outer Diameter	0.195"
Weight	43 lbs per 1000 ft
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	1.0" (installation)

ELECTRICAL PROPERTIES		
Impedance	50Ω	
Capacitance	29.3 pF per ft	
Velocity	70%	
DC Resistance	19.5Ω/1000 ft	
Time Delay	1.46 ns/ft	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	150 MHz	4.3
	1000 MHz	12.2
	1600 MHz	15.8
	2400 MHz	18.6
	5000 MHz	30.0

CONNECTORS			
STYLE	P/N	STYLE	P/N
TNC Straight	GF5-TS124T	N Straight	GF5-NS124T
TNC 90°	GF5-TA124T	N 90°	GF5-NA124T
TNC Bulkhead	GF5-TB124T	N Bulkhead	GF5-NB124T
BNC Straight	GF5-BS124T	SMA Straight	GF5-SS124T
BNC 90°	GF5-BA124T	SMA 90°	GF5-SA124T
		SMA Bulkhead	GF5-SB124T

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)

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