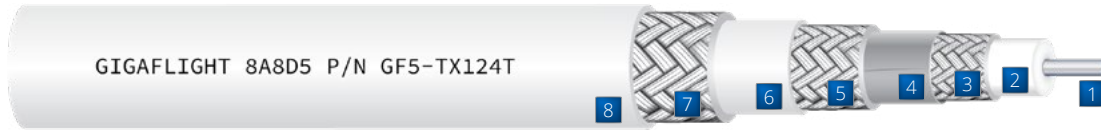


GF5-TX124T

LOW-LOSS HIGH-PERFORMANCE TRIAX


HIGH PERFORMANCE TRIAXIAL CABLE

Designed to handle environments sensitive to EMI, the 50-ohm Triaxial cable GF5-TX124T is equipped with a solid, silver-plated copper-clad steel center conductor, dual silver-plated copper braid shields, and a durable, laser-markable Tefzel jacket. This cable is perfect for applications like radar systems, where protection against RFI and noise is critical. With its additional outer braid shield, it minimizes noise pick-up and improves the signal-to-noise ratio. For the best results, use triaxial connectors that maintain the isolation of both shields.

CABLE CONSTRUCTION

1	Center Conductor	19 AWG Solid SPCCS
2	Dielectric	Solid, High-temp Fluoropolymer
3	Inner Shield	Silver-plated Copper Woven Strip
4	Interlayer	Composite Foil
5	Outer Shield	36 AWG Silver-plated Copper Braid
6	Jacket	White Tefzel
7	Triax Shield	38 AWG Silver-plated Copper Braid
8	Outer Jacket	White, Laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.22" (5.59mm)
Weight	51lbs/1000ft (74.41kg/1000m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	1.75" (44.45mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	29.3 pF/ft (96.13 pF/m)	
Velocity	70%	
DC Resistance	19.5 Ω/1000 ft (63.98 Ω/1000m)	
Time Delay	1.46 ns/ft (4.79 ns/m)	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100ft (m)
	150 MHz	4.3 (14.1)
	1000 MHz	12.2 (40.0)
	1600 MHz	15.8 (51.8)
	2400 MHz	18.6 (61.0)
5000 MHz	30.0 (98.4)	

CONNECTORS

STYLE	P/N
3 Lug TRB Straight Plug	GFSC-2069

All GF5-124T connectors will fit the inner coax cable of the triax

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).

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

