GIGAFLIGHT® CONNECTIVITY INC.

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

GF5-71T

LOW-LOSS HIGH-PERFORMANCE COAX

GIVING YOU OPTIONS

GigaFlight's 50Ω coaxial cable, GF5-71T, is designed as a drop-in replacement to commonly used cable 311501. Built with identical materials and matching electricals, GigaFlight has simplified your design in approvals. The connectors paired with this cable are identical to the XXX922 series connectors, which means electrical characteristics, strip dimensions and tooling are the same.

CABLE CONSTRUCTION		
1	Center Conductor	15 AWG Solid 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	0.229"
Weight	50 lbs per 1000 ft
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	1.20" (installation)

ELECTRICAL PROPERTIES		
Impedance	50Ω	
Capacitance	25.5 pF per ft	
Velocity	80%	
DC Resistance	2.98Ω/1000 ft	
Time Delay	1.27 ns/ft	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	150 MHz	2.7
	1000 MHz	7.1
	1600 MHz	9.1
	2400 MHz	10.7
	5000 MHz	16.1

CONNECTORS			
STYLE	P/N	STYLE	P/N
TNC Straight	GF5-TS71T	N Straight	GF5-NS71T
TNC 90°	GF5-TA71T	N 90°	GF5-NA71T
TNC Bulkhead	GF5-TB71T	N Bulkhead	GF5-NB71T
BNC Straight	GF5-BS71T	SMA Straight	GF5-SS71T
BNC 90°	GF5-BA71T	SMA 90°	GF5-SA71T
		SMA Bulkhead	GF5-SB71T

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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