

GF5-UL104D

LOW-LOSS HIGH-PERFORMANCE COAX



GIVING YOU LIGHTWEIGHT OPTIONS

GIGAFLIGHT's GF5-UL104D XLite coax cable is a suitable alternative for UH44193. Designed with high-end materials, this exceptionally lightweight 50 ohm coaxial cable delivers low loss performance while maintaining the shielding effectiveness necessary for today's advancing technologies. The combination of a silver-plated copper flat spiral wrap inner shield and silver-plated, copper clad aluminum (SPCCA) braid provides ample protection without adding unnecessary weight.

CABLE CONSTRUCTION

1	Conductor	19 AWG Solid SPCCS
2	Dielectric	Low-density PTFE
3	Inner Shield	Silver-plated Copper Flat Spiral Wrap
4	Outer Shield	36 AWG SPCCA Braid, 90% Coverage
5	Jacket	White, Laser-markable ETFE

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.155" (3.94mm)
Weight	19 lbs/1000ft (28.28 kg/1000m)
Operating Temperature	-65°C to +155°C
Minimum Bend Radius	0.79" (20.07mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	27 pF/ft (88.58 pF/m)	
Velocity	77%	
DC Resistance	19.1 Ω/1000ft (62.66 kg/1000m)	
Time Delay	1.32 ns/ft (4.33 ns/m)	
Shield Effectiveness	>-110 dB	
Attenuation (+25°C)	Frequency	dB/100ft (m)
	400 MHz	6.5 (21.33)
	1000 MHz	10.4 (34.12)
	1600 MHz	13.3 (43.64)
	5000 MHz	24.3 (79.72)

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).

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