

GF5-UL62D

LOW-LOSS HIGH-PERFORMANCE COAX


GIVING YOU LIGHTWEIGHT OPTIONS

GIGAFLIGHT's GF5-UL62D XLite coax cable is a suitable alternative for UH67163. Designed with high-end materials, this exceptionally lightweight 50 ohm coaxial cable delivers low loss performance while providing 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	14 AWG Solid SPCCA
2	Dielectric	Low-density PTFE
3	Inner Shield	Silver-plated Copper Flat Spiral Wrap
4	Outer Shield	34 AWG SPCCA Braid, 90% Coverage
5	Jacket	White, Laser-markable ETFE

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.227" (5.77mm)
Weight	34 lbs/1000ft (50.59 kg/1000m)
Operating Temperature	-65°C to +155°C
Minimum Bend Radius	1.14" (28.96 mm)

ELECTRICAL PROPERTIES

Impedance	50Ω	
Capacitance	24.7 pF/ft (81.04 pF/m)	
Velocity	83%	
DC Resistance	4.1 Ω/1000ft (13.45 kg/1000m)	
Time Delay	1.22 ns/ft (4.0 ns/m)	
Shield Effectiveness	>-110 dB	
Attenuation (+25°C)	Frequency	dB/100ft (m)
	400 MHz	3.9 (12.79)
	1000 MHz	6.2 (20.34)
	1600 MHz	7.9 (25.92)
	5000 MHz	14.2 (46.59)

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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