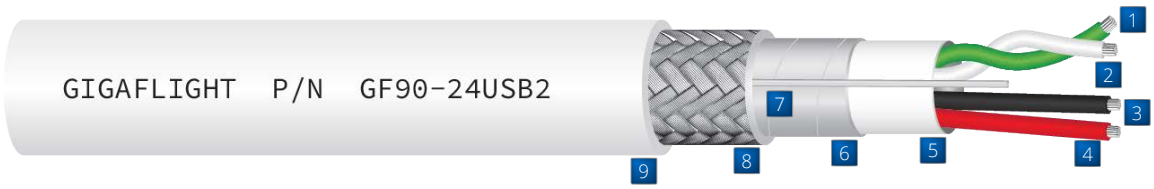
GIGAFLIGHT CONNECTIVITY INC.

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

GF90-24USB2

AEROSPACE GRADE USB 2.0



USB 2.0 DATA CABLE

The GF90-24USB2 is designed to meet the requirements of USB 2.0 applications up to 18ft. With a 100% foil and an 80% round wire braided shield, this design provides ample protection against EMI in the vast majority of applications. The GF90-24USB2 is a drop-in replacement for a commonly used PIC's USB2422 cable. Contact GigaFlight to place a bulk purchase order or to have us build you USB cable assemblies.

If your project requires a specific jacket color that is called out in the table below, please contact us for availability.

CABLE CONSTRUCTION

Data Pair		
1	Conductors	24 AWG Stranded Silver-plated Copper
2	Insulation	Foamed High-temp FEP
	Color Code	Green, White
Power Wires		
3	Conductors	22 AWG Stranded Silver-plated Copper
4	Insulation	High-temp FEP
	Color Code	Red, Black
5	Binder	PTFE Tape
6	Inner Shield	Aluminum Foil
7	Drain Wire	28 AWG Tin-plated Copper
8	Outer Shield	38 AWG Tin-plated Copper Braid
9	Jacket	White, laser-markable, Tefzel

JACKET COLORS & APPLICATIONS

GF90-24USB2	White	Laser Markable
GF90-24USB2-3	Orange	Flight Test Data
GF90-24USB2-5	Olive Drab	Covert Subdued

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.180"
Weight	24 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.0" (installation)

ELECTRICAL PROPERTIES

Data Pair		
Impedance	90Ω	
Capacitance (cond to cond)	13 pF per ft	
Capacitance (cond to shield)	21 pF per ft	
Time Delay	1.39 ns/ft	
DC Resistance (Power Wires)	15.2Ω/1000 ft	
Attenuation (+25°C)	Frequency	dB/100 ft
	96 MHz	7.2
	200 MHz	10.5
	400 MHz	15.9

CONNECTORS

STYLE	P/N
USB 2.0 A Plug w/ LSZH Hood	GFSC-2010
USB 2.0 B Plug w/ LSZH Hood	GFSC-2011

All GIGAFLIGHT aerospace cables are designed to be resistant to Skydrol, are RoHS & REACH compliant and will meet the flammability requirements of the Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amendment 25-113, Appendix F Part I(a)(3)

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