

## GF224B-ASCBD

24 AWG, TTP/ASCB DATA BUS/CAN BUS 1 PAIR CABLE



### INNOVATIVELY DESIGNED DATA BUS

The GF224B-ASCBD is a laser-wire-markable, aerospace-grade Data Bus cable tailored for Honeywell ASCB Data Bus and Servo CAN Bus applications in the Primus EPIC/APEX avionics system.

This 125-ohm Twinax cable features a unique dual-wall insulation design to address contact extraction challenges caused by the thicker insulation needed for 125-ohm impedance. The inner layer is a high-temp MFA with a diameter smaller than the contact OD, making contact insertion and removal seamless. The outer layer is a foamed FEP that maintains the 125-ohm controlled impedance.

This innovative construction eliminates common issues like insulation creep back, while a double-sided aluminum shield with 50% overlap ensures robust performance in demanding environments.

#### CABLE CONSTRUCTION

1	Conductors	24 AWG Stranded, Silver-plated HSCA
2	Inner Insulation	Solid, High-temp Fluoropolymer
	Color Code	Blue, White
3	Outer Insulation	Foamed, High-temp Fluoropolymer
	Color Code	White, White
4	Inner Shield	Dual-sided Aluminum (50% overlap)
5	Outer Shield	38 AWG TPC Braid (90% Min. Coverage)
6	Jacket	White, Laser-markable Tefzel

#### ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.2" (5.08 mm)
Weight	23 lbs/1000 ft (34.23 kg/1000 m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.0" (25.4 mm)

#### ELECTRICAL PROPERTIES

Impedance	125Ω	
Capacitance	11.0 pF/ft (36.09 pF/m)	
Velocity of Propagation	75%	
DC Resistance	27.5 Ω/1000 ft (90.22 Ω/1000 m)	
Dielectric Voltage Rating	1.5 kV RMS	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	10 MHz	2.0 (6.6)
	100 MHz	6.3 (20.7)



Don't forget to download the dual-wall stripping instructions

Direct URL: [bit.ly/3Jwmy5y](https://bit.ly/3Jwmy5y)

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).

