

GF100T-24CAT5

HIGH SPEED DATABUS HSDB



TWO PAIR, CAT5 ETHERNET CABLE

The GF100T-24CAT5 is designed to meet ARINC 646 Local Area Network (LAN) applications as well as RS422, and RS485 application. This cable is a drop-in replacement for Carlisle cable, 392404, most commonly used as a Garmin Systems HSDB. The double shielded construction, 100% foil and 90% round wire braid shield, provides the necessary shielding effectiveness for vast majority of aerospace HSDB applications.

CABLE CONSTRUCTION

1	Conductor	24 AWG Stranded Tin-plated Copper
2	Insulation	High-temp. Fluoropolymer
	Color Codes	Pair 1: White/Blue, Blue/White Pair 2: White/Orange, Orange/White
3	Inner Shield	Aluminum Foil
4	Outer Shield	38 AWG Tin-plated Copper Braid
5	Jacket	White, laser-markable Tefzel

CONNECTORS

STYLE	P/N
CAT 5 RJ45 Connector Kit	GFSC-2025

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.234"
Weight	30 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.2" (installation)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	12.4 pF per ft (max.)	
Velocity of Propagation	78% (nominal)	
Skew	12.8 ns/100 ft BUS	
Attenuation	Frequency	dB/100 ft (nominal)
	10 MHz	2.1

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)

