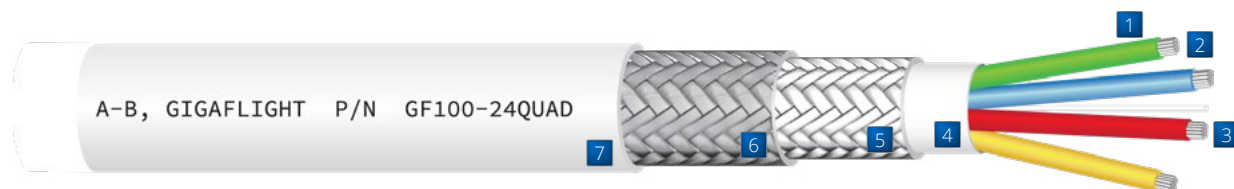


GF100-24QUAD

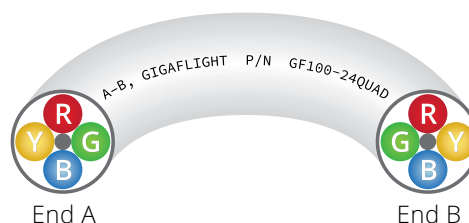
100 BASE-T QUADRAx ETHERNET CABLE



GIVING YOU OPTIONS

The GF100-24QUAD is designed to meet the ARINC 664, 100 Base-T physical lay for Ethernet. This cable is a suitable alternative to Carlisle's NF24Q100-01 and a drop-in replacement for PIC's E51424. Any size 8 QuadraX contact designed for NF24Q100-01 or E51424 will also work with the GF100-24QUAD. GigaFlight also provides tested QuadraX assemblies per the customers specification and in many cases built with QuadraX contacts supplied by the customer. Please contact GigaFlight for details

Our QuadraX cable is available in different color jackets to accommodate your applications. Please call for availability.



ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.160"
Weight	22 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.80" (installation)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	13 pF per ft	
Velocity	80%	
DC Resistance	28.5Ω/1000 ft	
Attenuation	Frequency	dB/100 ft (m)
	10 MHz	2.3 (7.5)
	100 MHz	8.0 (26.2)

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).

CABLE CONSTRUCTION

1	Center Conductor	24 AWG Silver-plated Copper Alloy
2	Insulation	Foamed FEP
	Color Code	Pair 1: Red, Blue; Pair 2: Yellow, Green
3	Filler	White Fluoropolymer
4	Binder	PTFE Tape
5	Inner Shield	Tin-plated Copper Strip Braid
6	Outer Shield	38 AWG Tin-plated Copper Braid
7	Jacket	White ETFE-Laser Markable Tefzel

JACKET COLORS & APPLICATIONS

GF100-24QUAD	White	Laser Markable
GF100-24QUAD-2	Red	Secure Data
GF100-24QUAD-6	Blue	Standard Data
GF100-24QUAD-3	Orange	Flight Test Data
GF100-24QUAD-5	Olive Drab	Covert Subdued

