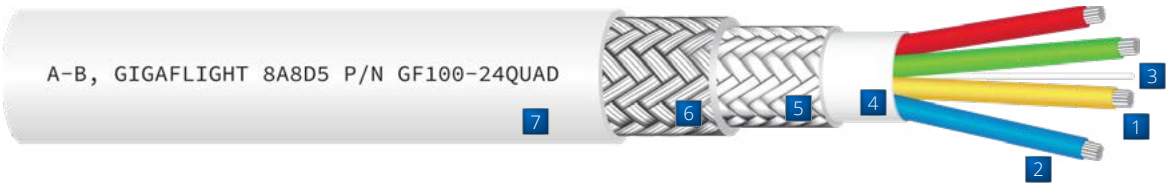
GIGAFLIGHT® CONNECTIVITY INC.

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

GF100-24QUAD

24AWG, 100BASE-T QUADRAX ETHERNET CABLE



GIVING YOU OPTIONS

The GF100-24QUAD is designed to meet the ARINC 664, 100 Base-T physical layer for Ethernet and exceeds Category 5e requirements. 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.

End A End B

CABLE CONSTRUCTION		
1	Center Conductor	24 AWG Stranded Silver-plated HSCA
2	Insulation	Foamed, High-temp Fluoropolymer
	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, Laser-markable Tefzel

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

ENVIRONMENTAL & MECHANICAL PROPERTIES	
Outer Diameter	0.16" (4.06 mm)
Weight	22 lbs/1000 ft (32.74 kg/1000 m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.80" (20.32 mm)

ELECTRICAL PROPERTIES		
Impedance	100Ω	
Capacitance	13 pF/ft (42.7 pF/m)	
Velocity	80%	
DC Resistance (max)	28.4 Ω/1000 ft (93.2 Ω/1000 m)	
Dielectric Voltage Rating	0.9 kV RMS	
Attenuation	Frequency	dB/100 ft (m)
	10 MHz	2.2 (7.3)
	100 MHz	7.9 (26)

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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