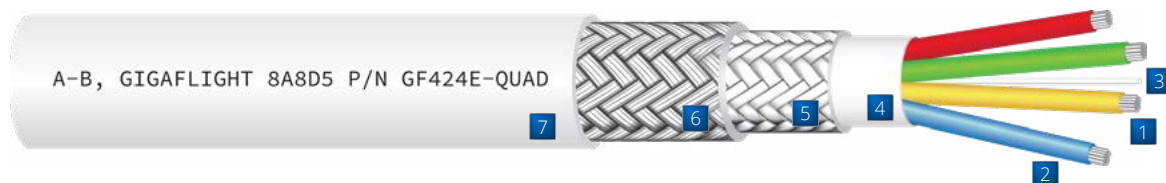


GF424E-QUAD

24 AWG, 100BASE-T QUADRAx ETHERNET CABLE



GIVING YOU OPTIONS

The GF424E-QUAD is designed to meet the ARINC 664, 100Base-T physical layer for Ethernet. While being lighter and having an overall smaller outer diameter, the GF424E-QUAD exceeds Category 5e requirements. This cable is a suitable alternative to Carlisle's NF24Q100-01 and PIC's E51424. Any size 8 Quadrax contact designed for NF24Q100-01 or E51424 will also work with the GF424E-QUAD. GIGAFLIGHT provides tested Quadrax assemblies per the customer's specification and, in many cases, built with Quadrax contacts supplied by the customer.

The GF424E-QUAD is available in different color jackets to accommodate your application. Please contact GIGAFLIGHT for details and availability.



ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.160" (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 (42.65 pF/m)	
Velocity	80%	
DC Resistance (max)	24.3 Ω/1000 ft (79.7 Ω/1000 m)	
Attenuation	Frequency	dB/100 ft (m)
	10 MHz	2.2 (7.3)
	100 MHz	7.9 (26.0)

CABLE CONSTRUCTION

1	Center Conductor	24 AWG Stranded SPC
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 Round Braid
7	Jacket	White, Laser-markable Tefzel

JACKET COLORS & APPLICATIONS

GF424E-QUAD	White	Standard
GF424E-QUAD-2	Red	Secure Data
GF424E-QUAD-3	Orange	Flight Test Data

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).

