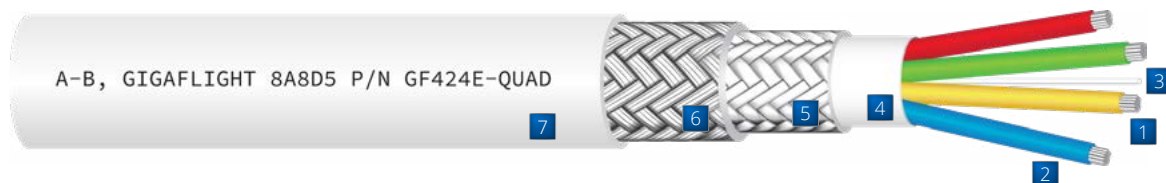


GF424E-QUAD

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 MX100Q-24, as well as PIC's E51424. Any size 8 Quadrax contact designed for NF24Q100-01, MX100Q-24 or E51424 will also work with the GF424E-QUAD. GIGAFLIGHT provides tested Quadrax assemblies per the customers 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 | 0.16" (4.06 mm) |
| Weight | 22 lbs/1000 ft (32.74 kg/1000 m) |
| Operating Temperature | -55°C to +150°C |
| Minimum Bend Radius | 0.8" (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) |

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).

