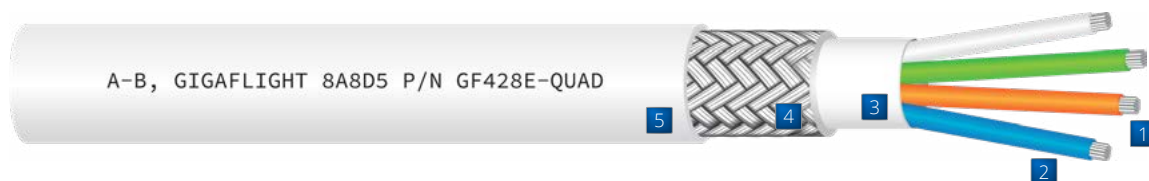


GF428E-QUAD

28 AWG, 100BASE-T QUADRAx ETHERNET CABLE



GIVING YOU OPTIONS

The GF428E-QUAD is a 28 AWG QuadraX designed as a 100Base-T physical layer for Ethernet. While being lighter and having an overall smaller outer diameter, the GF428E-QUAD exceeds Category 5e requirements and is a suitable alternative to PIC's E51428.

GIGAFLIGHT provides tested QuadraX assemblies per the customers specification and, in many cases, built with QuadraX contacts supplied by the customer.



CABLE CONSTRUCTION

1	Center Conductor	28 AWG Stranded SPC
2	Insulation	Solid, High-temp Fluoropolymer
	Color Code	Pair 1: White, Blue; Pair 2: Orange, Green
3	Binder	PTFE Tape
4	Shield	38 AWG Tin-plated Copper Round Braid
5	Jacket	White, Laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.107" (2.72 mm)
Weight	12.4 lbs/1000 ft (18.5 kg/1000 m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.54" (13.72 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	14 pF/ft (45.93 pF/m)	
Velocity	70%	
DC Resistance (max)	63.8 Ω/1000 ft (209.3 Ω/1000 m)	
Dielectric Voltage Rating	1.5 kV RMS	
Attenuation	Frequency	dB/100 ft (m)
	10 MHz	3.7 (12.1)
	100 MHz	11.1 (36.4)

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).

