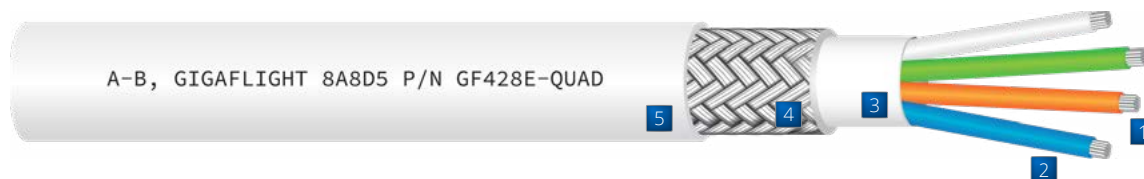


GF428E-QUAD

28 AWG, 10/100BASE-T QUADRAx ETHERNET CABLE



GIVING YOU OPTIONS

The GF428E-QUAD is designed as a 100 Ohm Quadrx Ethernet cable, 10/100Base-T that has a small outer diameter and is lightweight. The GF428E-QUAD differs from the GF428B-QUAD in that it uses silver-plated copper as conductors. This cable is a suitable alternative to PIC's E51428. GIGAFLIGHT provides tested Quadrx assemblies per the customer's specification.



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).

