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GF224A-5E

AEROSPACE 100Ω PAIR



10/100BASE-T 1-PAIR ETHERNET CABLE

The GF224A-5E is designed to deliver 10/100Base-T Gigabit performance in accordance to ANSI/TIA-568-C.2 up to 328ft. The GF224A-5E is an identical alternative to PIC Wire's E10224. With a 100% foil and a 90% round wire braided shield, this design provides ample protection against EMI in the vast majority of applications. Product uses industry standard 100 Twinax connectors. Please contact GIGAFLIGHT for a quote.

If your project requires a specific jacket color that is called out in the jacket color table, please contact us for availability.

CABLE CONSTRUCTION

1	Conductor	24 AWG Stranded SPC
2	Insulation	Foamed, High-temp Fluoropolymer
	Color Codes	Blue, White
3	Shield 1	Composite Foil
4	Shield 2	38 AWG Silver-plated Copper Braid
5	Jacket	Translucent Blue Fluoropolymer

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).

JACKET COLORS & APPLICATIONS

GF224A-5E	Translucent Blue	Standard
GF224A-5E-1	White	Laser Markable
GF224A-5E-3	Orange	Flight Test Data

ENVIRONMENTAL & MECHANICAL PROPERTIES

Shield Coverage	100% (Foil), 90% (Braid)
Outer Diameter	0.16" (4.06 mm)
Weight	22 lbs/1000 ft (32 kg/1000 m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.90" (22.86 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	13.0 pF/ft (42.7 pF/m)	
Velocity of Propagation	80%	
DC Resistance	28.50 Ω/1000 ft	
Dielectric Voltage Rating	1.50 kV RMS	
Max. Distance	328 ft (100 m)	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	10 MHz	1.8 (5.9)
	100 MHz	5.8 (19.0)

