

# GF100-24TWIN-1

LASER-MARKABLE TWINAX CABLE



## GIVING YOU OPTIONS

The GF100-24TWIN-1 is an Aerospace 100 Ohm twisted pair used in RS422, RS485, NTSC/PAL and RS170 data and video applications. In addition to the above, this cable is designed to meet 10/100 Base-T applications as specified in ARINC 664. The double shielded construction, 100% foil and 95% round wire braid shield, provides the necessary shielding effectiveness for vast majority of aerospace applications. This cable is a White Jacketed Laser Markable alternative to commonly used PIC's E10224, and Carlisle's NF24T100. The cable can also be ordered with different color jackets to accommodate your application(s). See Jacket color table.

## JACKET COLORS & APPLICATIONS

GF100-24TWIN-1	White	Laser Markable
GF100-24TWIN-2	Red	Secure Data
GF100-24TWIN-3	Blue	Standard Data
GF100-24TWIN-4	Orange	Flight Test Data
GF100-24TWIN-5	Olive Green	Covert Subdued

## ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.142"
Weight	18 lbs per 1000 ft
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.71"

## ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	12.5 pF per ft	
Velocity of Propagation	78%	
DC Resistance	28.4Ω/1000 ft max.	
Dielectric Voltage Rating	0.90 KV RMS	
Attenuation (+25°C)	Frequency	dB/100 ft
	10 MHz	1.9
	100 MHz	6.4

## CABLE CONSTRUCTION

1	Conductor	24 AWG Silver-plated Copper
2	Insulation	Foamed Fluoropolymer
3	Shield 1	Aluminum Composite Tape
4	Shield 2	38 AWG SPC Round Braid
5	Jacket	White, laser-markable, Tefzel

All GIGAFLIGHT aerospace cables are designed to be resistant to Skydrol, are RoHS & REACH compliant and will meet the flammability requirements of the Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amendment 25-113, Appendix F Part I(a)(3)

