GIGAFLIGHT
CONNECTIVITY INC.

...Your *form*, *fit* & *function* provider

GF100-22TWIN
LASER-MARKABLE TWINAX CABLE

GIVING YOU OPTIONS

The GF100-22TWIN 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 E10222.

CABLE CONSTRUCTION

1	Conductor	22 AWG Stranded Tin-plated Copper
2	Insulation	Foamed Fluoropolymer
3	Shield 1	Aluminum Composite Tape
4	Shield 2	38 AWG TPC Round Braid
5	Jacket	White, laser-markable, Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.19"
Weight	23 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.95"

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	12.5 pF per ft	
Velocity of Propagation	78%	
DC Resistance	15.8Ω/1000 ft max.	
Dielectric Voltage Rating	0.90 KV RMS	
Attenuation (+25°C)	Frequency	dB/100 ft
	10 MHz	1.5
	100 MHz	5.4

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).