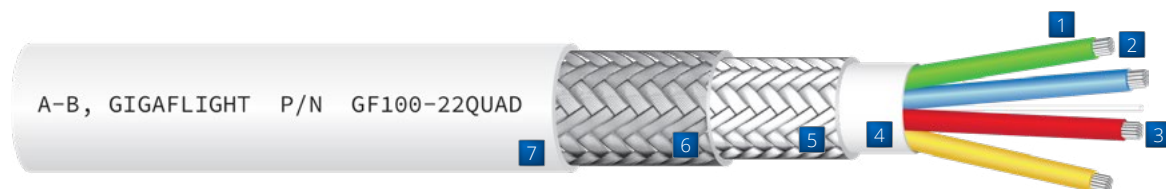


# GF100-22QUAD

100BASE-T QUADRAx ETHERNET CABLE



## GIVING YOU OPTIONS

The GF100-22QUAD is designed to meet the ARINC 664, 100Base-T physical layer for Ethernet. This cable is a suitable alternative to Carlisle's NF22Q100-01 and uses the same connectors that are available for the NF22Q100-01. GIGAFLIGHT also provides tested Quadrax assemblies per the customers specification and, in many cases, built with Quadrax contacts supplied by the customer.

The GF100-22QUAD is available in different color jackets to accommodate your application. Please contact GIGAFLIGHT for details and availability.



## ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.190"
Weight	34.5 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.0"

## ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	13 pF per ft	
Velocity	80%	
DC Resistance	16Ω/1000 ft max.	
Attenuation	Frequency	dB/100 ft (m)
	10 MHz	1.8 (5.8)
	100 MHz	6.4 (21)

*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).*

## CABLE CONSTRUCTION

1	Center Conductor	22 AWG Stranded SPC
2	Insulation	Foamed FEP
	Color Code	Pair 1: Red, Blue; Pair 2: Yellow, Green
3	Filler	White Fluoropolymer
4	Binder	PTFE Tape
5	Inner Shield	Tin-plated Copper Strip Braid
6	Outer Shield	38 AWG Tin-plated Copper Braid
7	Jacket	White ETFE-Laser Markable Tefzel

## JACKET COLORS & APPLICATIONS

GF100-22QUAD	White	Standard
GF100-22QUAD-2	Red	Secure Data
GF100-22QUAD-3	Orange	Flight Test Data

