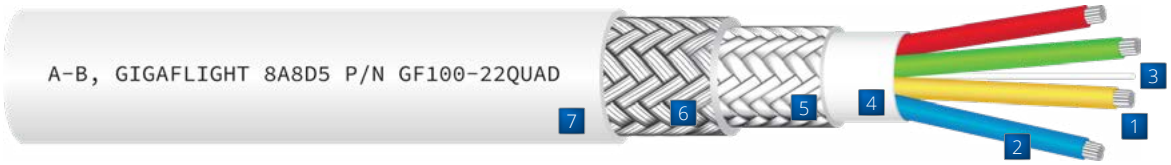
GIGAFLIGHT® CONNECTIVITY INC.

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

GF100-22QUAD

22 AWG, 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.

End A End B

CABLE CONSTRUCTION		
1	Center Conductor	22 AWG Stranded SPC
2	Insulation	Foamed, High-temp Fluoropolymer
	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, Laser-markable Tefzel

JACKET COLORS & APPLICATIONS		
GF100-22QUAD	White	Standard
GF100-22QUAD-2	Red	Secure Data
GF100-22QUAD-3	Orange	Flight Test Data

ENVIRONMENTAL & MECHANICAL PROPERTIES	
Outer Diameter	0.19" (4.83 mm)
Weight	34.5lbs/1000 ft (51.34kg/1000 m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.0" (25.4 mm)

ELECTRICAL PROPERTIES		
Impedance	100Ω	
Capacitance	13 pF/ft (42.7 pF/m)	
Velocity	80%	
DC Resistance	16 Ω/1000 ft (52.5 Ω/1000 m)	
Max. Length	300 ft (91.44 m)	
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).

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