

GF826B-6A

26 AWG, CATEGORY 6A ETHERNET CABLE



CAT6A 10Gb ETHERNET CABLE

The GF826B-6A is designed to deliver 10 Gigabit performance in accordance to ANSI/TIA 568 Category 6A up to 214ft (65.22m). The GF826B-6A is a suitable electrical alternative to the E6A6826 and MX10G-26.

This product is sold in bulk or as CAT6A tested assemblies. If your project requires a specific jacket color that is call out in the jacket color table, please contact us for availability.

CABLE CONSTRUCTION

1	Conductor	26 AWG Stranded, Silver-plated HSCA
2	Insulation	Solid, High-temp Fluoropolymer
	Color Codes	Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown
3	Spline	Foamed, High-temp Fluoropolymer
4	Binder	PTFE Tape
5	Shield 1	Composite Foil
6	Shield 2	38 AWG Tin-plated Copper Braid
7	Jacket	White, Laser-markable ETFE

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.235" (5.97 mm)
Weight	37.9 lbs/1000 ft (56.4 kg/1000 m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.15" (29.21 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	14.5 pF/ft (47.57 pF/m)	
Velocity of Propagation	70%	
DC Resistance	44.8 Ω/1000 ft (146.98 Ω/1000 m)	
Dielectric Voltage Rating	1.5 kV RMS	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	10 MHz	2.6 (8.5)
	100 MHz	8.2 (26.9)
	250 MHz	13.2 (43.3)
	500 MHz	19.3 (63.3)

JACKET COLORS & APPLICATIONS

GF824B-6A	White	Standard
GF824B-6A-6	Blue	Standard Data

CONNECTORS

STYLE	P/N
Standard RJ45 Straight Plug	GFSC-2029
Standard RJ45 Straight Plug w/Boot	GFSC-2049

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).

