

GF826A-H6A

26 AWG, AEROSPACE GRADE CAT6 CABLE


CAT6A 10Gb ETHERNET CABLE

The GF826A-H6A delivers 10 Gigabit performance in accordance with ANSI/TIA 568 Category 6A standards up to 214ft (65.22m) and serves as a suitable electrical alternative to Axon P542810. Featuring a black Low Smoke Zero Halogen (LSZH) Hytrel jacket, this cable is ideal for applications where fire safety is critical, such as avionics and control systems.

This product is sold in bulk or as CAT6A tested assemblies, please contact us for more information.

CABLE CONSTRUCTION

1	Conductors	26 AWG Stranded, Silver-plated Copper
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	Twin 2/C Tape	PTFE Tape
4	Pair Shield	Composite Foil
5	Shield	38 AWG Silver-plated Copper Braid (92% coverage)
6	Jacket	Black, Low Smoke Zero Halogen (LSZH) Hytrel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.256" (6.5 mm)
Weight	45 lbs/1000 ft (66.97 kg/1000 m)
Operating Temperature	-40°C to +135°C
Minimum Bend Radius	1.3" (33.02 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	14.5 pF/ft (47.57 pF/m)	
Velocity of Propagation	70%	
DC Resistance	44.8Ω/1000 ft (146.98Ω/1000 m)	
Dielectric Voltage Rating	1.5 kV RMS	
Attenuation (+25°C)	Frequency	dB/1 ft (1 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)	

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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