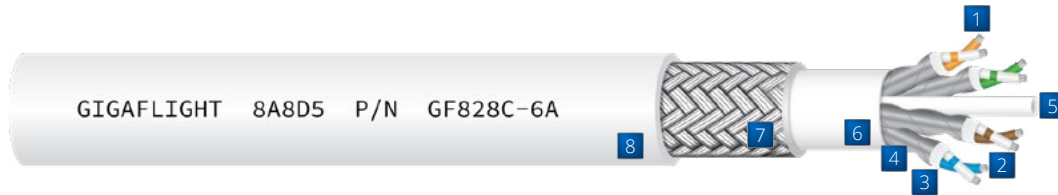


GF828C-6A

28 AWG, CATEGORY 6A ETHERNET CABLE



CAT6A 10Gb ETHERNET CABLE

The GF828C-6A is designed to deliver 10 Gigabit performance in accordance to ANSI/TIA 568 C.2 Category 6A, supporting distances up to 148ft (45m). The GF828C-6A is a suitable electrical alternative to Gore's RCN9034-28, making it a versatile choice for demanding applications.

For higher temperature requirements, the GF828C-6A features a silver-plated outer braid, allowing it to withstand operating temperatures up to +200°C. This cable is available in bulk or as CAT6A-tested assemblies, ensuring flexibility for various project needs.

If your application requires a specific jacket color listed in our jacket color table, please contact GIGAFLIGHT for availability and pricing.

CABLE CONSTRUCTION

1	Conductor	28 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	Binder	PTFE Tape (each pair)
4	Pair Shield	Composite Foil
5	Filler	Solid, High-temp Fluoropolymer
6	Binder	PTFE Tape
7	Shield 2	40 AWG Silver-plated Copper Braid
8	Jacket	White, Laser-markable ETFE

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.222" (5.64 mm)
Weight	29 lbs/1000 ft (43.16 kg/1000 m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.90" (22.86 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	13 pF/ft (42.65 pF/m)	
Velocity of Propagation	70%	
DC Resistance	28.5 Ω/1000 ft (93.5 Ω/1000 m)	
Dielectric Voltage Rating	1.5 kV RMS	
Attenuation (+25°C)	Frequency	dB/100 ft (m)
	10 MHz	4.0 (13.1)
	100 MHz	12.9 (42.5)
	250 MHz	21.1 (69.1)
	500 MHz	30.7 (100.7)

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).

