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## GF226C-5E

26 AWG, LASER-MARKABLE ETHERNET CABLE



### GIVING YOU OPTIONS

The GF226C-5E is a 26 AWG, 100Ω cable designed to deliver 10/100Base-T Gigabit performance in accordance with ANSI/TIA-568-C.2 up to 224 ft, and is a suitable alternative to PIC's E13226. Ideal for 100 Base-T data applications per ARINC 664, this cable meets the demanding requirements of avionics networking systems. With a 90% round wire braid shield, this design provides ample protection against EMI in the vast majority of applications.

Please contact GIGAFLIGHT for a quote.

#### CABLE CONSTRUCTION

1	Conductor	26 AWG Stranded, Silver-plated HSCA
2	Insulation	Solid, High-temp Fluoropolymer
3	Binder	PTFE Tape
4	Shield	40 AWG Silver-plated Copper Round Braid
5	Jacket	White, Laser-markable ETFE

#### ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.104" (2.64 mm)
Weight	11 lbs/1000 ft (16.37 kg/1000 m)
Operating Temperature	-55°C to +200°C
Minimum Bend Radius	0.11" (2.79 mm)

#### ELECTRICAL PROPERTIES

Impedance	100 Ω	
Capacitance	14.5 pF/ft (47.57 pF/m)	
Velocity of Propagation	70%	
DC Resistance (max)	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	3.1 (10.17)
	100 MHz	10.5 (34.45)

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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