

GF7-TX303D

LOW-LOSS HD VIDEO CABLE



HIGH DEFINITION TRIAXIAL CABLE

The 75-ohm Triaxial cable GF7-TX303D is a form, fit, and function drop-in replacement for a commonly used Triaxial cable L7626TX. Meaning the electrical performance, size/weight, connector usage and the applications are the same. This cable is typically used in cabin entertainment video applications, where low levels of EMI cannot be tolerated. In most applications, the internal coax is terminated to the same connectors as GF7-303D and outer Triaxial shield tied to a specified ground point.

This cable is currently available in two jacket colors, standard Laser Markable White and Flight Test Orange.

CABLE CONSTRUCTION

1	Center Conductor	26 AWG Stranded Silver-plated Copper
2	Dielectric	Foamed High-temp FEP
3	Inner Shield	Aluminum Composite Tape
4	Outer Shield	38 AWG Tin-plated Copper Braid
5	Inner Jacket	White Tefzel
6	Outer Shield	38 AWG Tin-plated Copper Braid
7	Outer Jacket	White, laser markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.160"
Weight	22 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.80" (installation)
Max Length SMPTE 292M HD-SDI Feet (M)	120 ft (36.6)
Max Length SMPTE 424M 3G-SDI Feet (M)	80 ft (24.4)

All tests performed in accordance with MIL-DTL-17

All GIGAFLIGHT aerospace cables are designed to be resistant to Skydrol, are RoHS & REACH compliant and will meet the flammability requirements of the Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amendment 25-113, Appendix F Part I(a)(3)

JACKET COLORS & APPLICATIONS

GF7-TX303D	White	Laser Markable
GF7-TX303D-3	Orange	Flight Test Data

ELECTRICAL PROPERTIES

Impedance	75Ω	
Capacitance	16 pF per ft	
Velocity	80%	
DC Resistance	38.5Ω/1000 ft	
Time Delay	1.27 ns/ft	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	100 MHz	5.5
	400 MHz	11.2
	1450 MHz	21.6
	3000 MHz	31.6

CONNECTORS

STYLE	P/N
75Ω M39029 Size 8 Pin	GF7-8P303HD
75Ω M39029 Size 8 Socket	GF7-8S303HD
75Ω M39029 Size 12 Pin	GF7-12P303HD
75Ω M39029 Size 12 Socket	GF7-12S303HD
3 Lug TRB Straight Plug	GFSC-2009
BNC Straight Plug	GF7-BS303D

