GIGAFLIGHT
CONNECTIVITY INC.

...Your *form*, *fit* & *function* provider

GF7-303D
LOW-LOSS HD VIDEO CABLE

GIGAFLIGHT P/N GF7-303D

5 4 3 2 1

HIGH-DEFINITION VIDEO CABLE

The GF7-303D is a form, fit, and function drop-in replacement for a commonly used V76261. Meaning the electrical performance, size/weight, connector usage, and the applications are the same. The GF7-303D is not only recommended for use in SMPTE 259M, but also can be used in the SMPTE 292 and SMTPE 424 video applications.

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	Jacket	White, laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.120"
Weight	11 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.64" (installation)
Max Length SMPTE 262M HD-SDI Feet (M)	120 ft (36.6)
Max Length SMPTE 424M 3G-SDI Feet (M)	80 ft (24.4)

JACKET COLORS & APPLICATIONS

GF7-303D	White	Laser Markable
GF7-303D-3	Orange	Flight Test Data

ELECTRICAL PROPERTIES

Impedance	75Ω	
Capacitance	16 pF per ft	
Velocity	80%	
DC Resistance	34.5Ω/1000 ft	
Time Delay	1.27 ns/ft	
Shield Effectiveness	>90 dB	
Attenuation (+25°C)	Frequency	dB/100 ft
	135 MHz	5.8
	180 MHz	6.7
	270 MHz	8.3
	360 MHz	9.7
	400 MHz	10.2
	750 MHz	14.2
	1500 MHz	20.6
	3000 MHz	30.6

CONNECTORS

STYLE	P/N
75Ω M39029 Size 8 Pin	GF7-8P303HD
75Ω M39029 Size 8 Socket	GF7-8S303HD

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 Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amendment 25-113, Appendix F Part I(a)(3)