

GF7-449D

26 AWG, LOW-LOSS HD VIDEO CABLE



HIGH DEFINITION COAXIAL CABLE

The 75-ohm coaxial cable GF7-449D is an identical alternative to the commonly used V73263 cable, offering equivalent electrical performance, size, weight, connector compatibility, and application versatility. It features a double-shielded cable with a helically-wrapped silver-plated copper strip and tin-plated copper braid, providing over 100% shielding coverage. The GF7-449D is recommended for SMPTE 259M and is also suitable for SMPTE 292, SMPTE 424, and 12G-SDI video applications.

CABLE CONSTRUCTION

1	Center Conductor	26 AWG Stranded, Silver-plated Copper
2	Dielectric	Foamed, High-temp Fluoropolymer
3	Inner Shield	Silver-plated Copper Helical Wrap
4	Outer Shield	38 AWG Tin-plated Copper Braid
5	Outer Jacket	White, Laser-markable Tefzel

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.125" (3.175mm)
Weight	15lbs/1000ft (22.32kg/1000m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	0.64" (16.26mm)
Max Len. SMPTE 292M HD-SDI	125ft (38.10m)
Max Len. SMPTE 424M 3G-SDI	85ft (25.91m)

ELECTRICAL PROPERTIES

Impedance	75Ω	
Capacitance	16 pF/ft (52.49 pF/m)	
Velocity	80%	
DC Resistance	34.5 Ω/1000 ft (113.19 Ω/1000m)	
Time Delay	1.27 ns/ft (4.16 ns/m)	
Shield Effectiveness	>110 dB	
Attenuation (+25°C)	Frequency	dB/100ft (m)
	100 MHz	5.0 (16.4)
	400 MHz	10.2 (33.5)
	1500 MHz	20.6 (67.6)
	3000 MHz	30.3 (99.4)
6000 MHz	44.9 (147.3)	

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
BNC Straight Plug	GF7-BS303D
MCX Right Angle Plug	GF7-MA303D

All tests performed in accordance with MIL-DTL-17

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).

