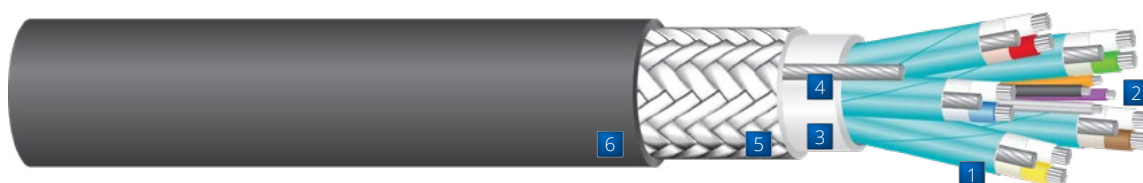


GF100-26HDMI

HIGH-DEFINITION MULTIMEDIA INTERFACE CABLE



READILY AVAILABLE AEROSPACE GRADE HDMI

The GF100-26HDMI is an Aerospace, high-speed 2.0 HDMI cable designed to support 4K p60/59, 12Gbps images up to 15 ft, as well as, 4K p30/24, 6Gbps and 1080p 60Hz up to 50 ft. This cable is backward compatible to all current features pertinent to the HDMI specifications. GIGAFLIGHT offers custom assemblies and test reports for assemblies built using HDMI, DVI-D, and HD26 Pin D-Subs. Typical lead-time of 2-3 days. See the current HDMI Generic Drawing Templates listed in the table. Please contact GIGAFLIGHT to discuss your assembly requirements.

CABLE CONSTRUCTION

Five Shielded, Twisted Pairs

1	Conductor	26 AWG Stranded SPCA
	Inner Insulation	Solid Fluoropolymer
	Outer Insulation	Foamed Fluoropolymer
	Color Code	Pair 1: Blue, White; Pair 2: Red, White Pair 3: Green, White; Pair 4: Brown, White; Pair 5: Yellow, White
	Binder	Clear Mylar
	Drain Wire	26 AWG Tin-plated Copper
	Shield	Aluminum Composite Tape

Four Discrete Wires

2	Conductor	26 AWG Tin-plated Copper
	Insulation	Solid Fluoropolymer
	Color Code	Gray, Orange, Violet, Black
3	Shield 1	Aluminum Composite Tape
4	Drain Wire	26 AWG Tin-plated Copper
5	Shield 2	Tin-plated Copper
6	Jacket	Black Fluoropolymer

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).

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.296"
Weight	68 lbs per 1000 ft
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.5"

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	14.5 pF per ft	
Velocity of Propagation	75%	
DC Resistance	43.9Ω/1000 ft max.	
Shield DCR	13.3Ω/1000 ft max.	
Dielectric Voltage Rating	1.5 KV RMS	
Attenuation (+25°C)	Frequency	dB/5 m
	300 MHz	2.5
	825 MHz	5.0
	4125 MHz	20.0
	5100 MHz	25.0

HDMI GENERIC ASSEMBLY DRAWING TEMPLATES

GFAHDMI-138	HDMI Plug to HDMI Plug
GFA2449-218	HDMI Plug to DVI-D Plug
GFA2449-219	HDMI Plug to HD26 pin D-Sub Plug
GFA2449-229	DVI-D Plug to DVI-I F/F Coupler
GFA1202-237	DVI-D Plug Assembly (one side only)
GFA2745-248	DVI-D Plug to DVI-D Plug

