

GF100-26HDMI-NX

26 AWG, HIGH-DEFINITION MULTIMEDIA INTERFACE CABLE



HIGHLY FLEXIBLE AEROSPACE-GRADE HDMI

The GF100-26HDMI-NX 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 features a Nomex jacket for exceptional flexibility, heat and flame-resistant protection intended for interior cabin use only.

GIGAFLIGHT offers custom assemblies and test reports for assemblies built using HDMI, DVI-D, and HD26 Pin D-Subs with a typical lead-time of 2-3 days. See the current HDMI generic drawing templates listed in the table and contact GIGAFLIGHT to discuss your assembly requirements.

CABLE CONSTRUCTION

Five Shielded, Twisted Pairs

1	Conductor	26 AWG Stranded, Silver-plated HSCA
	Inner Insulation	Solid, High-temp Fluoropolymer
	Outer Insulation	Foamed, High-temp 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	Composite Foil

Four Discrete Wires

2	Conductor	26 AWG Tin-plated Copper
	Insulation	Solid, High-temp Fluoropolymer
	Color Code	Gray, Orange, Violet, Black
3	Shield 1	Composite Foil
4	Drain Wire	26 AWG Tin-plated Copper
5	Shield 2	38 AWG Tin-plated Copper Braid
6	Binder	PTFE Tape
7	Jacket	Nomex

ENVIRONMENTAL & MECHANICAL PROPERTIES

Outer Diameter	0.285" (7.24mm)
Weight	66 lbs/1000ft (101.19 kg/1000m)
Operating Temperature	-55°C to +150°C
Minimum Bend Radius	1.0" (25.4 mm)

ELECTRICAL PROPERTIES

Impedance	100Ω	
Capacitance	14.5 pF/ft (47.57 pf/m)	
Velocity of Propagation	75%	
DC Resistance	43.9 Ω/1000ft (144.13 Ω/1000m)	
Shield DCR	13.3 Ω/1000ft (43.64 Ω/1000m)	
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-500-XXX	HDMI Plug to HDMI Plug
GFAHDMI-501-XXX	HDMI Plug to DVI-D Plug
GFAHDMI-502-XXX	HDMI Plug to HD26 pin D-Sub Plug
GFAHDMI-503-XXX	DVI-D Plug to DVI-I F/F Coupler
GFAHDMI-504-XXX	DVI-D Plug Assembly (one side only)
GFAHDMI-505-XXX	DVI-D Plug to DVI-D Plug
GFAHDMI-506-XXX	HDMI Plug Assembly (one side only)

GigaFlight's aerospace cables 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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