



Product Description:

DVIGear's HDMI extended length fiber optic cables provide unmatched signal fidelity and transparency over a wide range of input resolutions with cable lengths up to 100 meters. These cables utilize high speed electro-optical circuitry within each connector. The transmitter end converts the HDMI input signal to optical pulses that are transported over the fiber optic cable to the receiver end, which converts the optical pulses back to an HDMI output signal for display on a monitor or projector. The cable material utilizes 4 high-speed glass fibers and 6 copper wires, and offers a high degree of ruggedness and flexibility. These cables are especially well suited for critical display applications that demand flawless HDMI signal integrity over very long cable runs.

Key Features:

- Supports HDTV resolutions up to 1080p
- Supports PC resolutions up to 1600x1200 and 1920x1200
- Supports digital bit-rates up to 3.0 GBit/sec.
- Optical fiber transmission is immune to environmental signal noise
- Low RFI / EMI profile for sensitive application
- Supports bi-directional DDC communications, fully HDCP compliant
- Rugged yet pliable construction



DVI-2500-FO Series

Extended Length HDMI Optical Cables

Specifications:

Connections:	
Input / Output	19-pin Female HDMI connectors
Power	3.5mm jack
Resolution:	
PCs	Supports all single-link HDMI resolutions up to 1600x1200 and 1920x1200
HDTV	Supports HDTV resolutions up to 1080p and 2048x1080
Color Depth	Supports 1080p / 12-Bit color (HDMI v1.3)
Bandwidth:	
Pixel Rates	Supports pixel clock rates up to 300 MHz
Bit Rates	Supports digital signal bit rates up to 3.0 GBit/sec.
Optical:	
Optical Transmitter	Tx Module: 4-channel 850 nm Multi-mode VCSEL (Class 1 laser product)
Optical Receiver	Rx Module: 4-channel GaAs PIN photo diode
Fiber Cable	4x 50/125µ Multi-Mode Glass Optical Fiber (GOF)
Cable Construction:	
Standard Lengths (meters/feet)	10, 15, 20, 25, 30, 40, 50, 75, 100 meters / 32.8, 49.2, 65.6, 82, 98.4, 131.2, 164, 246 ft.
Cable Jacket Material / Dimensions	FR, PVC (orange), Outside Diameter = 7.4 mm ± 0.20mm
DDC Support:	
DDC Communications	Fully supports bi-directional EDID and HDCP communications
Power:	
External Power Supply	Input: 100-240VAC, 50-60Hz 0.2A / Output: +5VDC @ 0.5A
Power Consumption	Maximum: 1.8 watts
Mechanical:	
Construction	High impact metal alloy enclosures
Connector Dimensions (L x W x H)	Tx Unit: 2.05" x 1.39" x 0.59" / 52.0 mm x 35.4 mm x 15.0 mm Rx Unit: 2.03" x 0.91" x 0.59" / 51.5 mm x 23.0 mm x 15.0 mm
Weight	Varies by length
Maximum Tensile Load	Short Term: 245 N
Minimum Bend Radius	Short Term: 75 mm Long Term: 150 mm
Crush Resistance	Short Term: 490 N / 50 mm section
Environmental:	
Storage	-4° to +158° F. / -20° to +70° C.
Operation	+32° to +122° F. / 0° to +50° C.
Relative Humidity	10% - 80%
Compliance:	
These cables are RoHS and CE compliant	
Accessories Included:	
2x 0.5 meter Male/Male HDMI Cables, 1x External AC Power Adaptor with modular USA and Euro Plugs, 1x User Guide	
Optional Accessories:	
External AC Power Adaptor with modular power plugs for Euro, UK or Australian plug types	