DVI-2000 Series

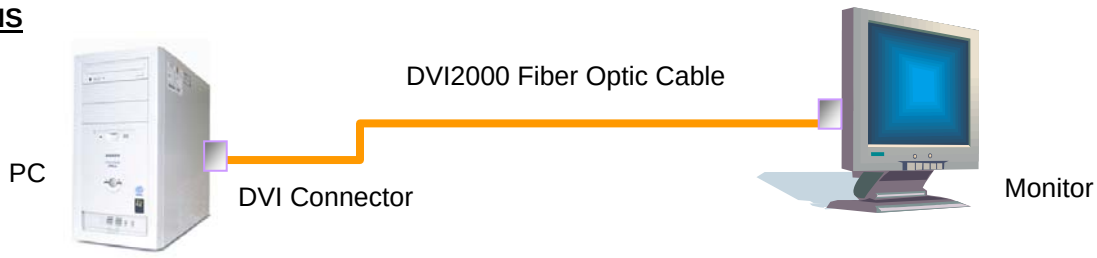
DVI Fiber Optic Extension Cable

- Transport DVI-D signals over ***ONE*** **fiber optic cable.**
- Fully compatible with DVI standard by DDWG use of standard DVI-D connector
- Requires **5 VDC at 0.5 Amps** on pin 14 of DVI source connector; Check maximum current specifications with manufacturer.
- **1600 x 1200 Resolution.**
- **Available in lengths from 10 to 100 meters.**
- R, G, B, Clock signal is transmitted by optical fiber
- DDC signal and 5V power line is transmitted by copper line
- Standard Cable - Riser type, UL 1666
- No EMI characteristics for medical instruments and airplane
- Enables remoting of a monitor from the video source.
- Supports all possible horizontal and vertical synch configurations.
- Provides electrical isolation, immune to electrical noise in the transmission path
- Systems available with **Keyboard, Mouse and Audio support.**
- Application include commodity and stock exchanges, medical and MRI displays, advertising and signs, sporting and concert video displays, video walls, digital cinema, radar displays, air traffic control, military information displays plus many more…

DESCRIPTION

The DVI-2000 is ideally suited to sending high quality, high resolution (up to 1600 X 1200) digital video over fiber. This unique fiber optical cable system let your digital LCD monitor extend up to 150 meter or 492 feet away from host without any external power supply based on DVI standard. Applications include plasma displays, video walls for advertising, MRI and medical display and radar displays.

APPLICATIONS



MultiDyne
Video & Fiber Optic Systems

In the USA and Canada call **1-(800)-4TV-TEST**
191 Forest Avenue, Locust Valley, NY 11560-2132 USA
1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
E-Mail: sales@multidyne.com
Web Site: www.multidyne.com

SPECIFICATIONS

Frequency Bandwidth..... 1.65Gbps (Single Link)
Supporting Graphic Resolution & Distance..... UXGA resolution (1600 x 1200) 60Hz 150m(490ft)
Connectors..... DVI Digital 24pin Plug
Power Consumption..... Transmitter : 0.53 watt
Receiver : 0.56 watt
(5 VDC at 0.5 Amps required on Pin 14)
Bending Radius..... 70mm

OPTICAL

Optical Source:..... 850nm VCSEL
O/E Converter: ..... PIN Photo Diode
Fiber: ..... H-PCF Graded Index Multi-mode Fiber

ENVIRONMENTAL

Operating Temperature Range: ..... 0 to 50 C
Storage Temperature Range:..... -20 to 70 C

SIGNAL PIN ASSIGNMENTS

- **Model : DVI-2000 F**ully compatible with DVI1.0 including DDC and hot plug detection

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2 Shield	11	T.M.D.S. Data1 Shield	19	T.M.D.S. Data0 Shield
4	No Connect	12	No Connect	20	No Connect
5	No Connect	13	No Connect	21	No Connect
6	DDC Clock	14	+5V Power @ 0.5 Amps	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock-

4 Fiber & 5 Copper line Cable Construction

ORDRING

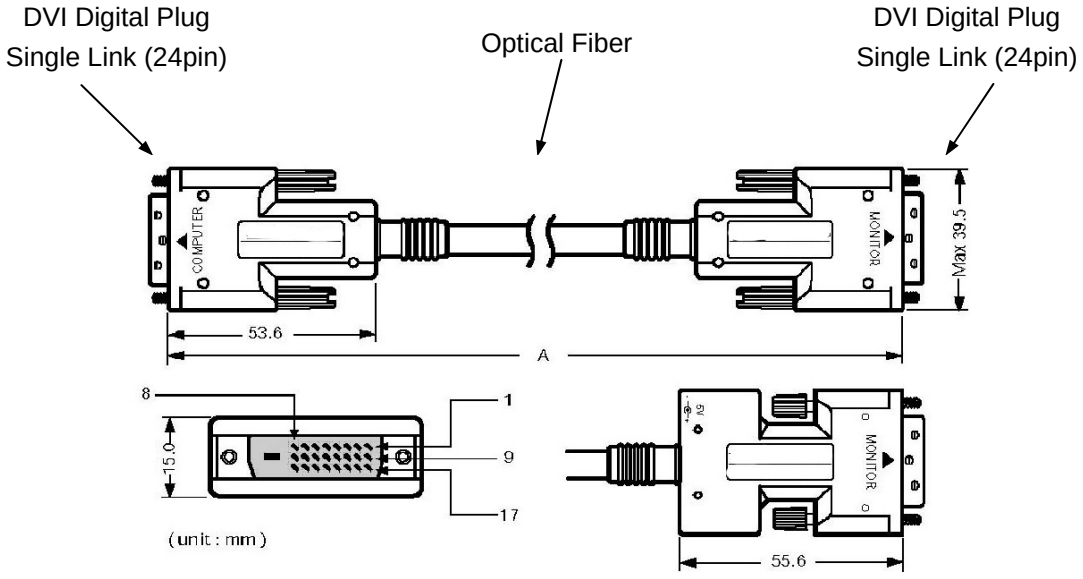
DVI – 2xxx

Model Name

4 Fiber & 5 Copper Cable

Length see Dim A
010 = 10 meters
020 = 20 meters
030 = 20 meters
050 = 50 meters
060 = 60 meters
070 = 70 meters
080 = 80 meters
090 = 90 meters
100 = 100 meters
150 = 150 meters

DIMENSIONS



MultiDyne
Video & Fiber Optic Systems

In the USA and Canada call **1-(800)-4TV-TEST**
191 Forest Avenue, Locust Valley, NY 11560-2132 USA
1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
E-Mail: sales@multidyne.com
Web Site: http://www.multidyne.com