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DVI FO Cable Installation Guidelines

The DVI FO DVI extension cables are robust assemblies that can meet the rigors of most installation and operating environments. Although outwardly similar in appearance to copper DVI cables, the DVI FO cable is made of glass optical fibers with complex electro-optical circuits embedded in the connector ends. If common sense handling is used in the deployment of the cable, then many years of fault-free operation can be anticipated. The following guidelines will assist in the installation and operation of the HDTV Extreme cable.

1. **Unlike a copper cable, the DVI FO cable is polarized - that is, the Sender end must be connected to the video source and the Receiver end must be attached to the video peripheral.**
2. The included power supply must be connected to the receiver unit to operate. The sender will receive power from the DVI port on the source computer. If 5V is not present on the source computer, then an extra power supply will need to be purchased and installed on the sender unit.
3. The cable must not be subject to extreme bends during installation or while in operation. As a rule, the minimum bend diameter should be no less that 5" (13cm) - or in more familiar terms, the bend/curve of the cable should be no tighter than the outside perimeter of a standard Compact Disc (CD).
4. During installation in conduit or through restrictive spaces, a minimum allowance of 1.75" x 0.75" (4.4cm x 1.9cm) for the end connector must be allowed. Be sure the Sender and Receiver connectors are clearly identified before installing the cable.
5. During the pulling of cables, axial force must never be applied to the connector. Pulling must be done using a proper cable aid that applies the force along the jacket of the cable itself. Plastic boots must at a minimum be used to protect the DVI pins. If dust/dirt contaminants are an issue, enclose the entire end connector in a plastic bag.
6. Although the cable is suitable for both indoor and outdoor use (fungus-resistant, water-resistant and UV-resistant), the cable ends must be kept clear of moisture and contaminants.
7. The cable is durable and can withstand 1,500 impacts with a crush resistance of 1,800 N/cm with a flex resistance of 2,000 cycles. But it is not designed to be operated in an environment where continuous flexing is applied to the cable.
8. The operating temperature of the cable itself is -40º to +85ºC (-40ºF to +185ºF), but the recommended operating temperature at each end of the cable assembly is 0ºC to +50ºC (+32ºF to +122ºF), not unlike the operating conditions of the equipment that is connected.

Sender (Source) **Receiver (Display)**

*** The DVI FO Cable is a directional cable and must be installed correctly to work properly**