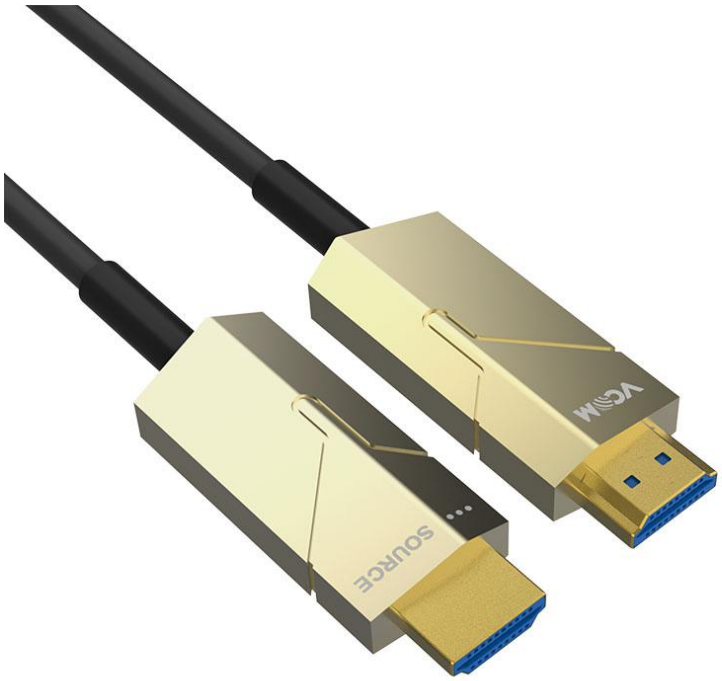
Technical data sheet

D3742P HDMI 2.0 Active Optical Cable

Version: A/0

【Product Picture】



【Product Description】

Cable Length	
Up to 300m	
Interface	
HDMI type A Source -HDMI type A Display	
Bandwidth	
HDMI2.0, 18Gbps, support 4K(3840* 2160) @60Hz UHD display	
Power	
No external power needed	
Power Consumption	
250mW	
Mechanical / Condition	
Cable diameter	4.80±0.15mm
Conductor Material	Bare Copper+Polished Fiber
Bend Radius (Dynamic/Static)	80mm/40mm
Tensile Strength (Long term/Short term)	100N/200N
Crush Resistance (Long term/Short term)	200N/400N
Operating and Storage Temp	-40- 70℃

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【Features】

Ultra HD Resolution: Support up to 4K@60Hz 4:4:4/4:2:2/4:2:0.
4K 60Hz 8bit 4:4:4,4K 30Hz 10bit 4:4:4,1080p 16bit 4:4:4.,and Perfectly compatible with HDMI v1.4 & v1.3 Standards
High Speed 18Gbps: 4-core optical fiber with triple-layer shielding to ensure stable signal transmission.
Support 18Gbps bandwidth uncompressed signal transmission, never worries about blur, distortion, and delay.
Truly able to protect 4K images under long-distance transmission.
Durability & Flexible: 24K Gold-plated plug has strong conductivity and stable signal.
The zinc alloy shell is wear-resistant and anti-corrosion. It can effectively protect the internal chip. Slim and flexible cable with a bending radius of more than 20mm for easy installation in tight areas.
Note: It must be installed in the correct direction.The Cable with a "Source" plug for connecting the DP source devices (PC/graphics card/ ThinkPad); "Display" plug for connecting the Display devices(Monitor/TV/Projector).

【Application Environment】

1)Home Theater

2)High definition Video Meeting System

3)Medical Video System

4)High definition Video Surveillance System

5)Digital Signage and TV Wall

【Attention】

1. 1. When handling and setting up, do not let the fiber-optic cable be affected by great impact and side pressure, so that the shell itself will be deformed, which may cause the fiber to be stuck during the operation, and the resolution will be reduced. Even it caused worst interruption. Kindly use it in a properly way.

2. Check the appearance and performance of the optical fiber before installing the wiring, Please test the reconstruction on the equipment you need to use to avoid unnecessary trouble at the later stage.

3. When wiring, please be careful not to tie, or force to pull the fiber, or use feet and any other heavy objects to press the fiber, the process of breaking through the wall should not be more than 200N, if the fiber is broken, or the core was broken, the optical fiber can no longer be used.

4. The optical fiber should have a small amount of surplus at the turning point, make a good drop bend at the corner, and do not let the optical fiber touch sharp objects. the surplus optical fiber should be wound reasonably and beautifully. Also ensure a uniform force when winding the fiber. and the optical fiber should not be subjected to hard bending. So as not to damage the fiber.

5. When moving, use a line card to be fixed firmly, one at a distance of 1: 15 meters, do not stretch too much between fixed positions, leaving room for thermal expansion and cold shrinkage, and in addition, in order to prevent damage to the optical fiber in the vertical alignment, please stick a tape between the fixed-line cards .

6. For 8k video output with this HDMI Cable. please make sure your source devices and display devices both support 8K resolution also.

7. A friendly reminder:

Please do not turn off your monitor, As the video and audio work at the same time. If monitor was turned off, the audio not work.