Technical data sheet

AD3743C HDMI 2.1 Active Optical Cable

Version: A/0

【Product Picture】

【Product Description】

Cable Length	
Up to 100m	
Interface	
HDMI type A Source -HDMI type A Display	
Bandwidth	
HDMI2.1, 48Gbps, support 8K(7680* 4320) @60Hz,4K(3840* 2160) @120Hz UHD display	
Power	
No external power needed	
Power Consumption	
250mW	
Mechanical / Condition	
Cable diameter	4.80±0.15mm
Conductor Material	Tinned Copper+ 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℃

【Features】

Ultra HD Resolution: The HDMI cable supports resolutions up to 8K (7680x4320) at 60Hz and 4K (3840x2160) at 120Hz, ideal for Large games and Ultra HD video streaming, making your world clearer and more real.

High-Speed 48Gbps: 4-core optical fiber with triple-layer shielding to ensure stable signal transmission. Support 48Gbps bandwidth uncompressed signal transmission, never worry about blur, distortion, and delay. Truly able to protect 8K images under long-distance transmission.

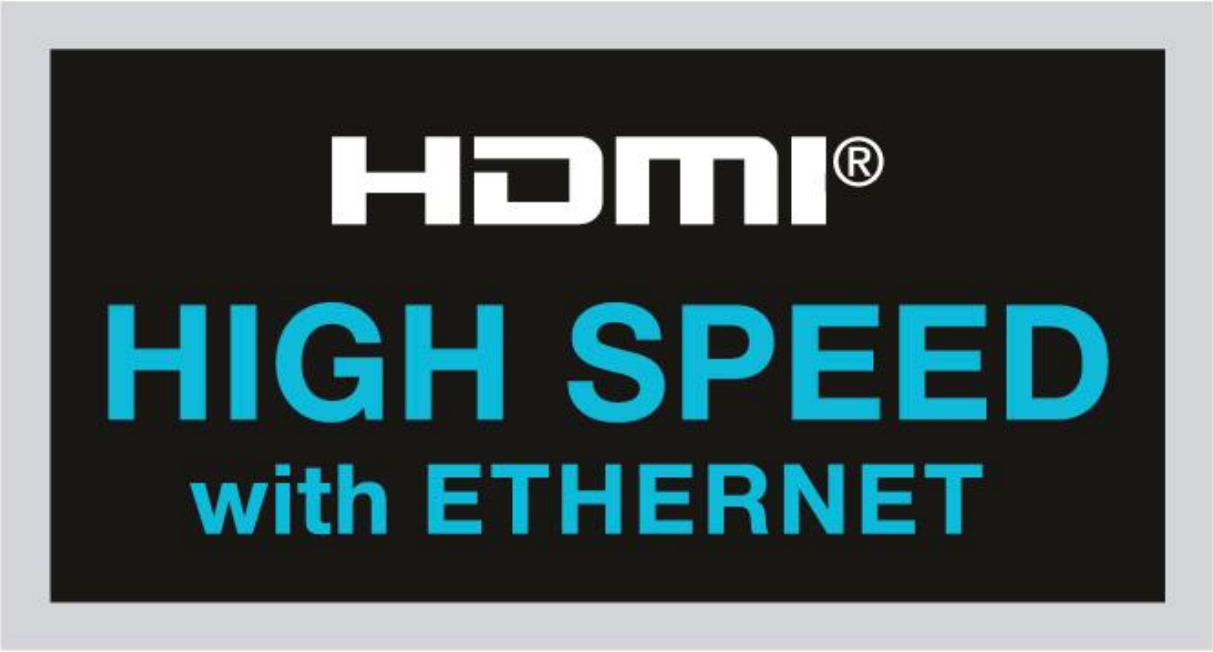
Durability & Flexible:24K Gold plated plug has strong conductivity and stable signal. The zinc alloy shell is wear-resistant and anti-corrosion, and can effectively protect the internal chip. Slim and flexible cable with a bending radius of more than 20mm for easy installation in tight areas.

【Application Environment】

Data transfer cable.

The interface connection cable is used to connect devices with an HDMI interface (digital signal) to devices with an HDMI interface (digital signal).

The HDMI Ethernet channel can be used to connect two or more HDMI-compatible devices with Internet connections of up to 100 Mbps.



The cable is suitable for PCs, workstations, server equipment, telecom networks and SCS networks.

Attention:

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, 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.

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, do not let the optical fiber touch sharp objects, the surplus optical fiber should be wound reasonably and beautiful, 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.