

Super Slim Armored HDMI 2.Active Optical Cable

AHS-xxxM

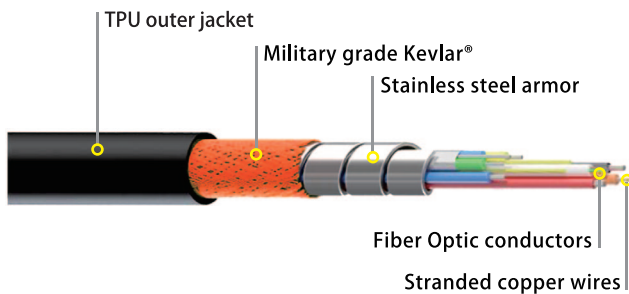
- Ultra-fine diameter (3.8mm in diameter) / High strength (crush resistance 2000N, tension resistance 800N)
- Lightweight and flexible cable wire (minimum bend radius 38mm)
- Noise-free (excellent electromagnetic compatibility) zinc alloy connectors
- 4K UHD@60 4:4:4 (18Gbps) transmission up to 30m
- HDR / HDCP(2.2 / 1.4) / CEC



18 Gbps | HDMI | 4K | HDR | CEC | HDCP | Up to 30m | Ultra light weight

Ultra-fine diameter (3.8mm) / high strength cable

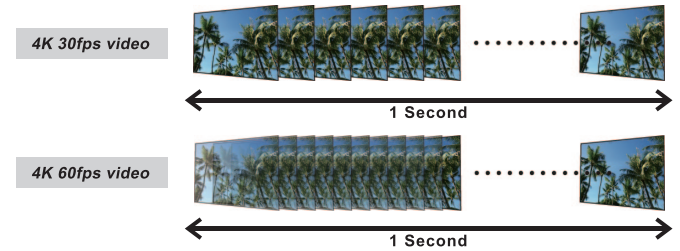
AHS has a very thin diameter at 3.8mm. Despite its thinness, the cable coating has a 3-layer structure, consisting of stainless steel (high strength and high pressure resistance), Kevlar (high strength and high heat resistance), and TPU (flexible, wear-resistant, and tensile resistant) in that order, covering the fiber optics and copper wire. This unique structure allows for excellent crush resistance that can withstand up to 2000N (204kgf) of pressure and a high tensile strength of up to 800N (81kgf). The cable can maintain signal and function without being interfered in environments or equipment where the cable is frequently stepped on or pulled, such as on construction sites and in facilities.



*Cable wire jacket is selectable from LSZH,UMP and TPU

4K UHD@60 4:4:4 (18Gbps) transmission up to 30m

To achieve high quality signal transmission, AHS uses a hybrid configuration by adopting both OM3 standard optical fiber and copper wire. Low-loss optical fiber enables long-distance transmission up to 4K UHD@60 4:4:4 (maximum transmission bandwidth 18 Gbps) signals without external power supply. In addition, HDR (High Dynamic Range) CEC, and HDCP, are supported by transmitting signals through copper wire. AHS can be widely used in the environment from high-quality home theater environment to broadcasting.



Smooth playback of 4K videos with double the amount of frames in 1 second.



Normal output

HDR output

Lightweight and flexible cable wire (minimum bend radius 38mm)

Compared to copper wire cables of the same length and conventional active cables (10m about 680g), it is lightweight (10m about 300g), and soft (minimum allowable bending radius 38mm).

In addition, the connector part is an ultra-compact design with a length of only 30mm. It is smaller than conventional active cables and is ideal for use in wall-mounted equipment

Conventional cable (10m)



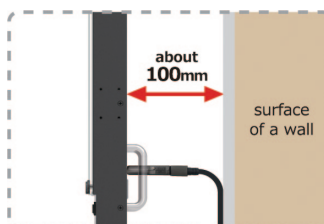
The connector is burdened with the weight of the cable...

This product (10m)

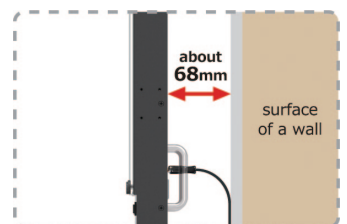


The cables are so light, they don't take the strain!

About half! lightweight 300g



Conventional fiber optic HDMI cable (AHG-xxxM)



For this product (AHS-xxxM)

The connector made of zinc alloy, providing robustness and excellent electromagnetic compatibility.

The connector housing made of zinc alloy material has a high-quality robust design, and also has excellent electromagnetic compatibility, which minimizes noise generation from the main unit and less interfered by external noise.



Zinc alloy housing designed for enhanced electromagnetic compatibility

Product Specification

Model	AHS-xxxM (xxx indicate the length)	
Length (m)	10 / 15 / 20 / 30	
Connector	Source	HDMI A Type
	Sink	HDMI A Type
Dimension	19mm x 30mm x 9mm (W x H x D)	
Cable Type	Active (4 GOF, 7 Copper)	
Max Speed	18Gbps	
HDCP	Passthrough (2.2 / 1.4)	
HDR	Support	
CEC	Support	
ARC	No Support	
External Power	None	
Max Power Consumption	0.25w	
Color	Cable : Black / Connector : Metallic Gray	
Cable	Three Layers (Stainless Steel / Kevlar® / TPU)	
Cable Diameter	3.8mm±0.2mm	
Bending Radius	Minimum 38mm	
Max. Crush Resistance	Long Term : 1000N (102kgf) /	
	Instant : 2000N (204kgf)	
Max. Tensile Strength	Long Term : 430N (44kgf) /	
	Instant : 800N (81kgf)	
Max. Connector Tensile Strength	250N(25kgf)	
Cable Direction	Yes	
Max Resolution	4KUHD@60 4:4:4 8bit	
Operational Temperature / Storage Temperature	0°C ~ 50°C / -40°C ~ 70°C	
Operational Humidity / Storage Humidity	10 ~ 80%	
Warranty	1Year	
Certificate	FCC / CE / RoHS	

*Note: There may be cases of insufficient power or instability with certain connecting devices. We do not guarantee operation with all devices.

*Note: This indicates the characteristics of the product and does not guarantee complete noise-free performance.

*Note: There may be changes to the appearance and specifications without notice. Please be advised.

*Note: Kevlar is a trademark or registered trademark of DuPont company affiliates.

The latest information and the detailed product specifications are available at <http://www.ad-techno.com/en/>

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