

Data sheet



Features

- 48Gbps High Speed: Maximum data rate
- Extremely robust: steel reinforcement and Kevlar mesh for protection against pressure and rodents.
- 100m range: Optimized for long distances without signal loss.
- IP protection: For use in demanding conditions.



Description

The steel-armored HDMI 2.1 AOC hybrid cable with IP protective sleeves on both sides is designed for extremely demanding AV installations requiring protection against compression loads and harsh environmental conditions. The hybrid structure of fiber optics and copper enables stable transmission up to 8K @ 60 Hz over distances of up to 100 m. The steel-armored construction with Kevlar braiding, TPU jacket and IP protection offers high resistance against mechanical and environmental influences as well as compression loads of up to 200 kg. - Range up to 100 m thanks to AOC hybrid technology - Steel-armored construction with IP protection - Supports HDMI 2.1 with up to 8K @ 60 Hz Standards & Certifications - UL VW-1

Connections

Connection 1	HDMI Type A male (source)
Orientation 1	180°
Shielding 1	Shielded
Case 1	Metal
Case color 1	black
Connection 2	HDMI Type A male (display)
Orientation 2	180°
Shielding 2	Shielded
Case 2	Metal
Case color 2	black
Contact material	Gold-plated
Mating cycles	10000 mating cycles



Cable

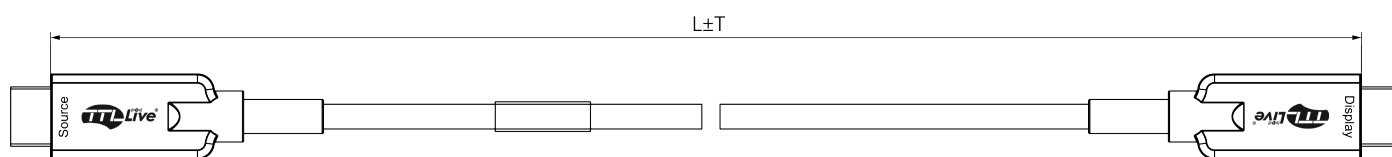
Typ	Round Cable
Inner conductor material	Fiber optic/copper
Outer jacket material	TPU
Outer diameter	5.8±0.2 mm
Bending radius	58 mm (min.)
Color outer jacket	black

Signal transmission

Standard	HDMI 2.1
Transmission type	Digital Audio and Video Signals
Bandwidth	Up to 48 Gbps
Resolution	8K / UltraHD-2 / 4320p
Color space	16/24 bit RGB/YUV, Deep Color, x.v.Color™
Audio standard	Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio™, SD Audio, etc.

Standards

Approval	UL VW-1
Compliance	RoHS Reach CE FCC
Temperature range	+0°C ~ +50°C



Item No.	Length	Tolerance	EAN
HDMI-AAOC-B-10,0M-2	10.0 m	+300/-300 mm	4260424513678
HDMI-AAOC-B-15,0M-2	15.0 m	+300/-300 mm	4260424514378
HDMI-AAOC-B-20,0M-2	20.0 m	+300/-300 mm	4260424514415
HDMI-AAOC-B-30,0M-2	30.0 m	+400/-400 mm	4260424514477
HDMI-AAOC-B-50,0M-2	50.0 m	+1000/-1000 mm	4260424514484
HDMI-AAOC-B-100,0M-2	100.0 m	+1000/-1000 mm	4260424514354

