



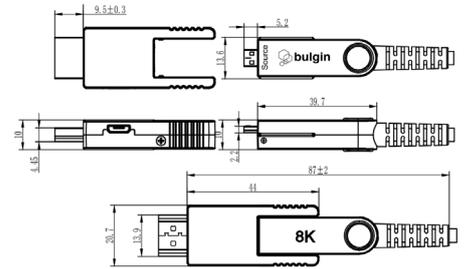
- AO Series Active Optical Standard and Armoured HDMI Cables
- Armoured Cable Crush Protection up to 200kg (<30 Seconds), 100kg (<48 hours)
- Available as Type A to Type A, Type A to Type D (Detachable A) and Type D (Detachable A) to Type D (Detachable A)
- Detachable connectors reveal a HDMI Type D (Micro HDMI) connector
- Includes USB A to Micro USB Auxiliary Power Cable and tool for detachable connectors
- Available lengths: 5m, 8m, 10m, 15m, 20m, 30m
- Hybrid type cable with OM3 fiber and copper wire
- Long length cables with full speed performance

Active Optical HDMI 2.1 D-D Cable



AOHA21DDXXX

- HDMI 2.1
- HDMI Type D (Detachable A) to Type D (Detachable A) Cable
- 8K 48Gbps
- Low Power consumption 250mW (max)
- Hybrid type with OM3 fiber and copper wire
- Includes tool for detachable end removal
- Included cable for auxiliary power
- Comes with case for type D connector



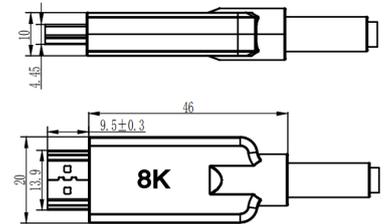
Part Number	Length	Description
AOHA21DD005	5m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 5m
AOHA21DD008	8m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 8m
AOHA21DD010	10m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 10m
AOHA21DD015	15m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 15m
AOHA21DD020	20m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 20m
AOHA21DD030	30m	Standard PVC Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 30m

Active Optical Armoured HDMI 2.1 A-A Cable



AOHS21AAXXX

- HDMI 2.1
- HDMI Type A to Type A Armoured Cable
- 8K 48Gbps
- Low Power consumption 250mW (max)
- Hybrid type with OM3 fiber and copper wire

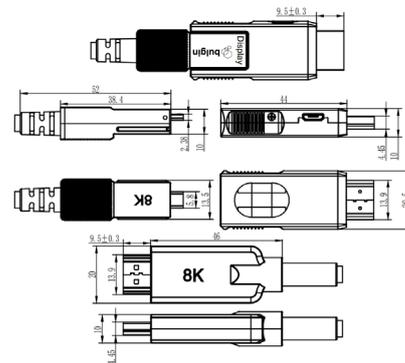


Part Number	Length	Description
AOHS21AA005	5m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 5m
AOHS21AA008	8m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 8m
AOHS21AA010	10m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 10m
AOHS21AA015	15m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 15m
AOHS21AA020	20m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 20m
AOHS21AA030	30m	Armoured TPU Jacket, HDMI 2.1 A-A Cable, 8K@60Hz, 48Gbps, 30m

Active Optical Armoured HDMI 2.1 A-D Cable



- HDMI 2.1
- HDMI Type A to Type D (Detachable A) Armoured Cable
- 8K 48Gbps
- Low Power consumption 250mW (max)
- Hybrid type with OM3 fiber and copper wire
- Includes tool for detachable end removal
- Included cable for auxiliary power
- Comes with case for type D connector



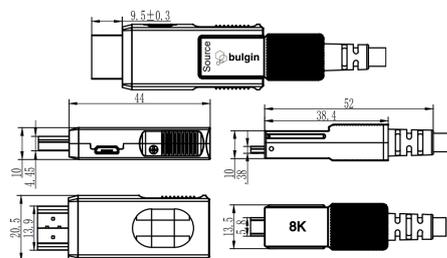
AOHS21ADXXX

Part Number	Length	Description
AOHS21AD005	5m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 5m
AOHS21AD008	8m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 8m
AOHS21AD010	10m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 10m
AOHS21AD015	15m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 15m
AOHS21AD020	20m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 20m
AOHS21AD030	30m	Armoured TPU Jacket, HDMI 2.1 A-D Cable, 8K@60Hz, 48Gbps, 30m

Active Optical Armoured HDMI 2.1 D-D Cable



- HDMI 2.1
- HDMI Type D (Detachable A) to Type D (Detachable A) Armoured Cable
- 8K 48Gbps
- Low Power consumption 250mW (max)
- Hybrid type with OM3 fiber and copper wire
- Includes tool for detachable end removal
- Included cable for auxiliary power
- Comes with case for type D connector



AOHS21DDXXX

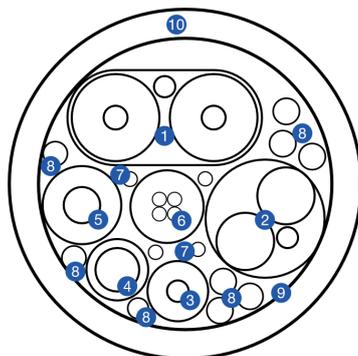
Part Number	Length	Description
AOHS21DD005	5m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 5m
AOHS21DD008	8m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 8m
AOHS21DD010	10m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 10m
AOHS21DD015	15m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 15m
AOHS21DD020	20m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 20m
AOHS21DD030	30m	Armoured TPU Jacket, HDMI 2.1 D-D Cable, 8K@60Hz, 48Gbps, 30m

Product Configuration Table		
Cable Type	Cable Speed / Connector type	Cable Length
AOHA - Standard PVC Jacket	21AA - HDMI 2.1 A-A Cable	005 - 5m
AOHS - Armoured TPU Jacket	21AD - HDMI 2.1 A-D Cable	008 - 8m
	21DD - HDMI 2.1 D-D Cable	010 - 10m
		015 - 15m
		020 - 20m
		030 - 30m

Active Optical HDMI Cable Specifications

Electrical + Electronic	
Power Supply Voltage	Min 4.5V, Max 5.5V
O/E Converter	44 channel 850 nm VCSEL array, 4 CH GaAs PD array
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication
Video Bandwidth	12 Gbps/x4Channel (max)+ Clock
Differential Input	100 ohm (typ)
Low Power Consumption	250mW (max)
Supported Resolution	480p, 720p, 1080i and 1080p deep colour, 4Kp50/60/100/120 and 8Kp50/60
Mechanical + Materials	
Jacket Outer Material	850nm VCSEL (Multimode)
Cable Outer Diameter	4.5mm
Cable Length	5m, 8m, 10m, 15m, 20m, 30m
Cable Type	Hybrid type with OM3 fiber and copper wire
Connector Type	HDMI type A + HDMI Type D
Environmental	
Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	10 - 80 %RH

Active Optical HDMI Cable Diagram

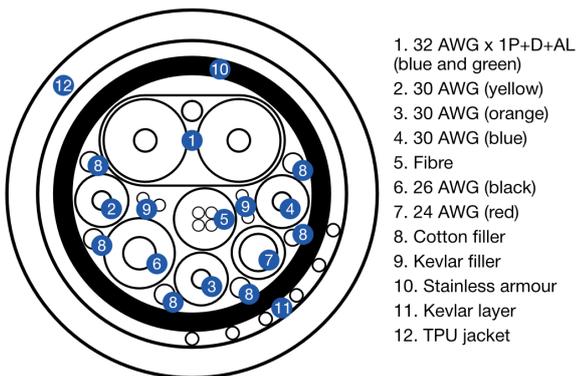


1. 30 AWG x 1P+D+AL (blue and green)
2. 30 AWG x 1C, 28 AWG x 1C+D+AL
3. 28 AWG (orange)
4. 24 AWG (red)
5. 26 AWG (black)
6. Fibre
7. Kevlar filler
8. Cotton filler
9. Aluminium foil
10. Jacket

Active Optical Armoured HDMI Cable Specifications

Electrical + Electronic	
Power Supply Voltage	Min 4.5V, Max 5.5V
O/E Converter	4 channel 850 nm VCSEL array, 4 CH GaAs PD array
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication
Video Bandwidth	12 Gbps/x4Channel (max)+ Clock
Differential Input	100 ohm (typ)
Low Power Consumption	250mW (max)
Supported Resolution	480p, 720p, 1080i and 1080p deep colour, 4Kp50/60/100/120 and 8Kp50/60
Mechanical + Materials	
Crush Resistance	200kg (<30 Seconds), 100kg (<48 hours)
Jacket Outer Material	TPU
Cable Outer Diameter	5.8mm
Cable Length	5m, 8m, 10m, 15m, 20m, 30m
Cable Type	Armoured Hybrid type with OM3 fiber and copper wire
Connector Type	HDMI type A + HDMI Type D
Environmental	
Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	10 - 80 %RH

Active Optical Armoured HDMI Cable Diagram



1. 32 AWG x 1P+D+AL (blue and green)
2. 30 AWG (yellow)
3. 30 AWG (orange)
4. 30 AWG (blue)
5. Fibre
6. 26 AWG (black)
7. 24 AWG (red)
8. Cotton filler
9. Kevlar filler
10. Stainless armour
11. Kevlar layer
12. TPU jacket