

PRS³ High Performance AOC HDMI[®] Cable

Kordz PRS³ AOC HDMI cable is an ultra-reliable cable that is secure and simple to install. The cable is suitable for fixed installs, and delivers HDR/3D/4K/UHD/High frame rate. It is currently available in a range of sizes to suit a wide range of installations – up to 30 meters.

- ▶ Active Optical Cable (AOC) 10m - 30m, 4K/UHD 18Gbps certified by DPL Labs™
- ▶ Engineered to fit through a 1" conduit
- ▶ Reinforced internals for superior flexibility and pull strength during installation
- ▶ Light weight & flexible
- ▶ No external power requirements - works just like a 1m HDMI Cable
- ▶ 100% of units tested on the production line for electrical continuity on all pins with additional 4K(2160p/60), 4:4:4, 17.82Gbps application test
- ▶ High Speed, all lengths
- ▶ Low Smoke - Zero Halogen (LSZH) fire rated in 10m-30m lengths
- ▶ 2 Year Warranty
- ▶ **Licensed HDMI 2.0 Adopter company**



www.kordz.com



DPL Labs Certified

Technical Specifications

HDMI Compliance

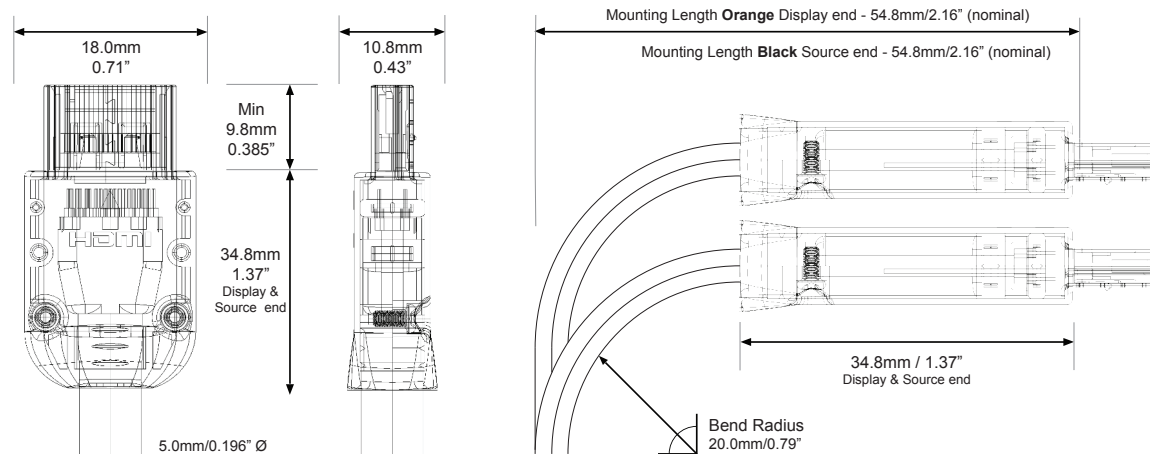
	10m - 30m ACTIVE AOC
Certified Data Rate	6.0Gbps, 17.82Gbps agg
Supported Data Rate.....	> 6.0Gbps, 17.82Gbps agg (4K UHD)
Supported HDMI Clock	27-340MHz

Construction

TMDS	4x Polymer Insulated Glass Fiber
Conductors	32AWG tinned copper wire
Insulation	4C + HEAC Pairs Solid polyolefin ≤ 2.0 relative permittivity
Shielding.....	Al/Mylar + Al braid 80% coverage
Cable Jacket Material.....	TPE (Thermoplastic Elastomer), 10m-30m lengths
HDMI Connector Shell	Premium Gauge Folded Steel, 1μ" 24K Gold plated
HDMI Connector Pins	Solid OFC, 15μ" 24K Gold plated
Active Optical Technology (10m-30m).....	Directional, In-shell Optical Light Engine
Connector Shell - Source End.....	Dark chrome plated die-cast zinc alloy shell assembly
Connector Shell - Display End.....	Orange Powdercoated die-cast zinc alloy shell assembly

Mechanical

Cable Diameter.....	5.00mm±0.2mm / 0.19" Ø
Recommended Mounting Depth.....	70.0mm / 2.76"
Cable Bend Radius.....	20.0mm / 0.78"
Retention Force (nom).....	9.8N (1kg / 2.2lbs) +10/-5%



Applications

- For standards-compliant long-length High Speed HDMI connectivity installations*,
- 10m+ lengths with AOC technology for direct interconnection between AV devices†,
- In-wall cabling, fits through a 20mm/1" Ø conduit,
- Hotel room AV systems and bars,
- Digital signage & video walls,
- UHD video and professional graphics up to 2160 Vres,
- 1080p & 2160p (UHD) projector installations,

† Active Optical Cables (AOC) 10.0m - 30.0m are custom tuned to length. Cable extensions or adapters at either end should be avoided.

Application Specifications

Video Format Support	Data rate per channel / Aggregate, TMDS Bandwidth
480i/p, 576i/p	≤ 540Mbps/1.62Gbps, 270MHz
720p/1080i	742.5Mbps/2.22Gbps, 371.25MHz
1080p	
8-bit RGB/YCbCr 4:4:4, 10/12-bit 4:2:2 or 4:2:0	
23.98/24/29.97/30.....	742.5Mbps/2.22Gbps, 371.25MHz
50/59.94/60.....	1.485Gbps/4.455Gbps, 742.5MHz
3D-24/30.....	1.485Gbps/4.455Gbps, 742.5MHz
3D-50/60.....	2.97Gbps/8.91Gbps, 1.485GHz
10/12/16-bit RGB/YCbCr 4:4:4	
50/59.94/60fps.....	1.86-2.97Gbps/5.57-8.91Gbps, ≤ 1.485GHz
2160p (UHD/4K)	
HDMI 1.4b , 8-bit RGB/YCbCr 4:4:4, 10/12-bit 4:2:2 or 4:2:0	
4096x2160p/24 (SMPTE).....	2.97Gbps/8.91Gbps, 1.485GHz
3840x2160p/23.98/24/29.97/30.....	2.97Gbps/8.91Gbps, 1.485GHz
HDMI 2.0 , 8-bit YCbCr 4:2:0	
2160p*/50/59.94/60.....	2.97Gbps/8.91Gbps, 1.485GHz
HDMI 2.0Mode , 8-bit 4:4:4, 10/12-bit 4:2:2 or 16-bit 4:2:0	
2160p*/50/59.94/60-2D 9CEA-861-F.....	5.94Gbps/17.82Gbps, 2.97GHz
2160p*30-3D.....	5.94Gbps/17.82Gbps, 2.97GHz
VESA graphics	Supports all as defined by HDMI 2.0 specification, up to 17.82Gbps
Color Spaces	RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, ITU-BT.2020
Audio Formats Support	PCM 2.0-7.1, DD/DTS HD 7.1, 3D Audio (10.2 22.2 30.2ch)
HDMI Audio Return Channel	Supported, System Dependant

Models

Length	Product Code	Technology
10.0m / 32.8ft	K36212-1000-CH	Active Optical, Directional
15.0m / 49.2ft	K36212-1500-CH	Active Optical, Directional
20.0m / 65.6ft	K36212-2000-CH	Active Optical, Directional
25.0m / 82.0ft	K36212-2500-CH	Active Optical, Directional
30.0m / 98.4ft	K36212-3000-CH	Active Optical, Directional

