

PRS³ 4K UHD 18Gbps 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
- ▶ Fire rated in 10m-30m lengths
- ▶ Limited 5 Year Warranty
- ▶ **Licensed HDMI 2.0 Adopter company**



RoHS



www.kordz.com

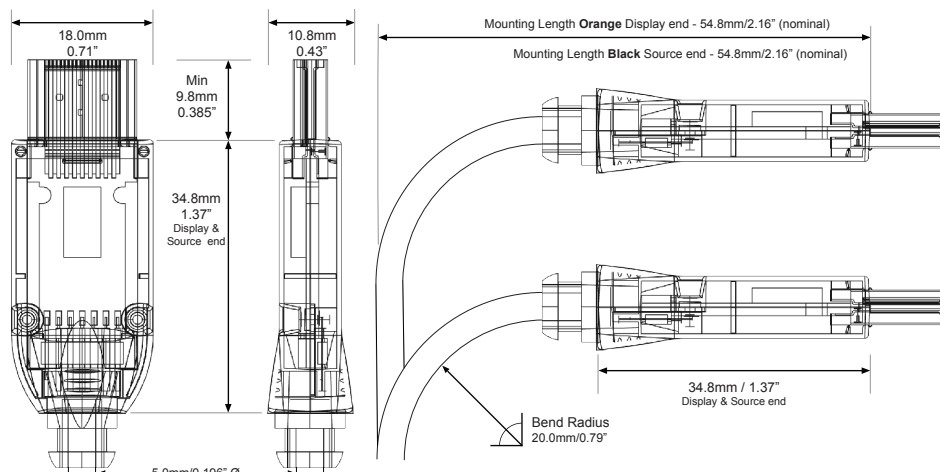


DPL Labs Certified



Technical Specifications

HDMI Cable Certification	10.0m - 30.0m ACTIVE OPTICAL	
DPL Labs Certified Data Rate	6.0Gbps, 17.82Gbps agg	
Supported Data Rate	≥ 6.0Gbps, 17.82Gbps agg (4K UHD)	
HDMI Clock	27-340MHz	
Construction		
TDMS	4x Polymer Insulated Glass Fibers	
Conductors	32 AWG Tinned copper wire	
Insulation	TMDS	Polymer
	4C + HEAC Pairs	Solid Polyolefin ≤ 2.0 relative permittivity
Shielding	Overall	AL/Mylar
Cable Jacket Material	LSZH Composite, 10m-30m lengths	
HDMI Connector Shell	Premium gauge folded steel, 1μ" 24K Gold plated	
HDMI Connector Pins	Solid OFC, 15μ" 24K Gold plated	
Termination	Contactless IR induction soldering	
Active Optical Technology	Directional, In-shell Optical Light Engine	
HDMI Backshells	Orange & Charcoal powder coated with stoving varnish die-cast zinc alloy shell assembly	
Mechanical		
Cable Diameter	5.00mm±0.2mm / 0.19" Ø	
Mounting Depth	70.0mm/2.76"	
Cable Bend Radius	20.0mm/0.78"	
Retention Force (nom)	9.8N (1kg / 2.2lbs) +10/-5%	



Technical Data Sheet

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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
1080p - 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 2.0 Mode, 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

Commercial Range Comparison Features	ONE	PRO	PRS ³	R.3
1080p60 On all Lengths	✓	✓	✓	✓
4K24 4:2:2 HDR12	to 3m	to 5m	✓	✓
4K60 4:4:4 8 Bit			✓	✓
10.2 Gbps Guaranteed Bandwidth	to 3m	to 5m	✓	✓
18.0 Gbps Guaranteed Bandwidth			✓	✓
Connector Retention Force	<1kg	1kg	1kg*	2kg
Dual wrap Al/Mylar + industry leading 90% coverage copper braid shield				✓
DPL Labs Certified			✓	✓
THX Certified				✓
Lifetime Warranty	✓	✓	✓**	✓
Jacket Material - fire rating		UL CMG	LSZH***	LSZH

* 3kg Retention Force on the Active & Passive PRS³ HDMI Cables ** 5 Year Warranty on All Active Cables

*** Available in UL CMG on the Active & Passive PRS³ HDMI Cables

Part No:	Length	Fire Rating	Technology	Inner Ctn Qty	Inner Ctn Weight Kg	Master Ctn Qty	Master Ctn Weight Kg
K36212-1000-CH	10.0m 32' 9"	LSZH	Active Optical	6	2.7	12	6.2
K36212-1500-CH	15.0m 49' 2"	LSZH	Active Optical	6	2.9	12	6.6
K36212-2000-CH	20.0m 65' 6"	LSZH	Active Optical	6	3.5	12	7.8
K36212-2500-CH	25.0m 82' 0"	LSZH	Active Optical	6	4.2	12	9.2
K36212-3000-CH	30.0m 98' 4"	LSZH	Active Optical	6	4.9	12	10.6