

Connectivity.Assured

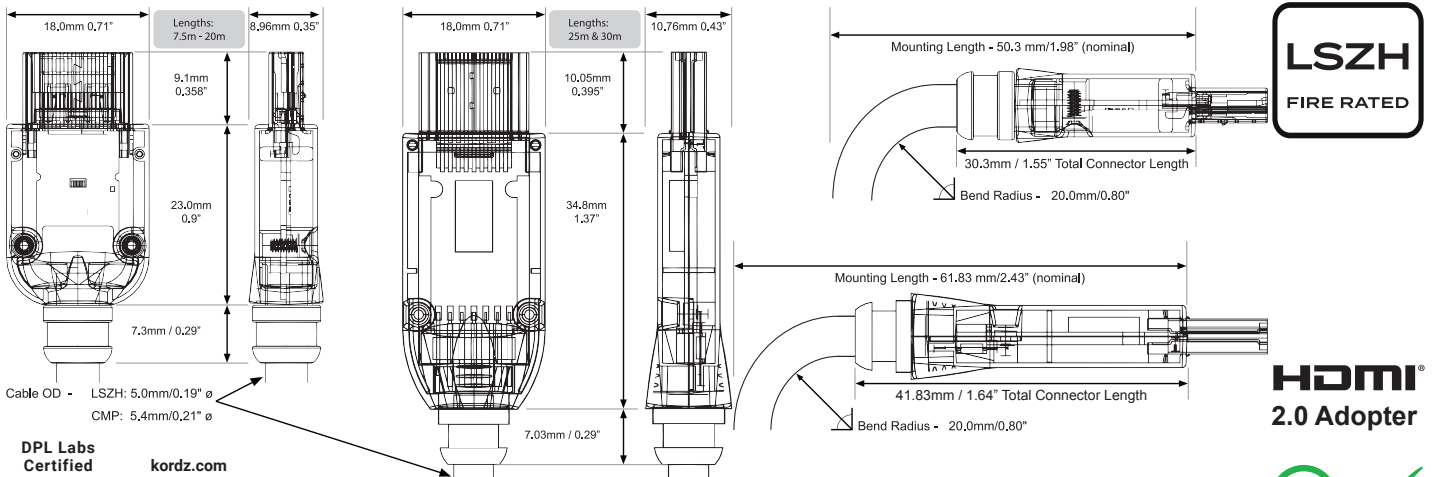
## PRS<sup>3</sup> 4K UHD 18Gbps AOC HDMI<sup>®</sup> Cable

Kordz PRS<sup>3</sup> 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 (98'4").

- ▶ Active Optical Cable (AOC) 7.5m(24'7") to 30m(98'4"), 4K/UHD 18Gbps certified by DPL Labs™
- ▶ Engineered to fit through a 25mm(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
- ▶ LSZH fire rated on all lengths from 7.5m(24'7") to 30m(98'4")
- ▶ 5 Year Warranty
- ▶ **Licensed HDMI 2.0 Adopter company**



Technical Specifications	
<b>HDMI Cable Certification</b>	
<b>10.0m - 30.0m ACTIVE OPTICAL</b>	
DPL Labs Certified Data Rate	6.0Gbps, 17.82Gbps agg
Supported Data Rate	≥ 6.0Gbps, 17.82Gbps agg (4K UHD)
HDMI Clock	27-340MHz
<b>Construction</b>	
TMDS	4x Polymer Insulated Glass Fibres
Auxiliary Conductors	30-24 AWG Tinned copper wire
Insulation	TMDS 4C + HEAC Pairs
	LSZH Composite Polymer Foamed PE / PE / TPV
Shielding	Overall AL/Mylar
Cable Jacket Material	LSZH Composite, 7.5m-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
<b>Mechanical</b>	
Cable Diameter	5.0mm±0.2mm / 0.21" Ø
Mounting Depth	<b>Small Connector [7.5m-20m] - 50.3mm/1.98"   Large Connector [25m &amp; 30m] - 61.83mm/2.43"</b>
Cable Bend Radius	20.0mm/0.78"
Retention Force (nom)	29.7N (3kg / 6.6lbs) +10/-5%



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

Commercial Range Comparison Features	ONE	PRO	PRS <sup>3</sup>	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	3kg	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

\* 5 Year Warranty on all Active & AOC HDMI Cables \*\* Available with fire ratings - UL CMG for all Passive/Active HDMI Cables & LSZH or CMP for AOC HDMI Cables

Part No:	Length	Fire Rating	Technology	Inner Ctn Qty	Inner Ctn Weight Kg	Master Ctn Qty	Master Ctn Weight Kg
K36232-0750-CH	7.5m   24' 7"	LSZH	Active Optical - Small Connector	6	TBC	12	TBC
K36232-1000-CH	10.0m   32' 9"	LSZH	Active Optical - Small Connector	6	2.7	12	6.2
K36232-1250-CH	12.5m   41' 0"	LSZH	Active Optical - Small Connector	6	TBC	12	TBC
K36232-1500-CH	15.0m   49' 2"	LSZH	Active Optical - Small Connector	6	2.9	12	6.6
K36232-1750-CH	17.5m   57' 5"	LSZH	Active Optical - Small Connector	6	TBC	12	TBC
K36232-2000-CH	20.0m   65' 6"	LSZH	Active Optical - Small Connector	6	3.5	12	7.8
K36232-2500-CH	25.0m   82' 0"	LSZH	Active Optical - Large Connector	6	4.2	12	9.2
K36232-3000-CH	30.0m   98' 4"	LSZH	Active Optical - Large Connector	6	4.9	12	10.6