

Connectivity.Assured

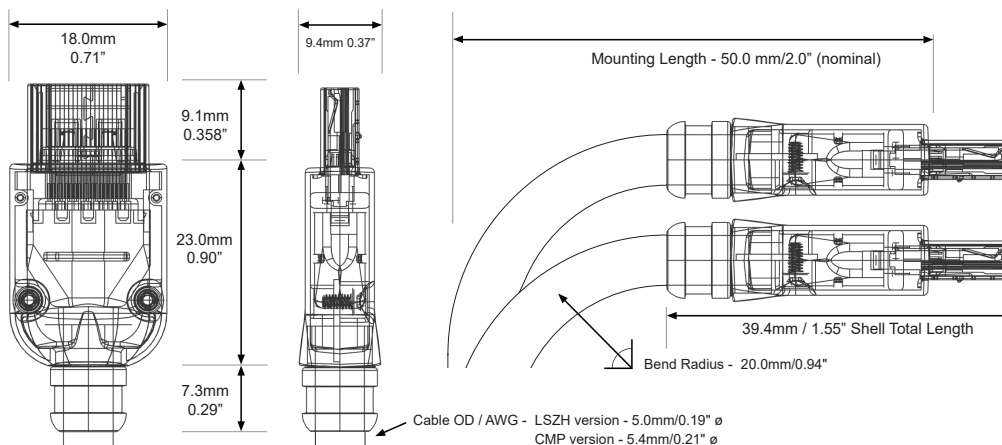
PRS³ 4K UHD 18Gbps AOC HDMI[®] Cable

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. The compact connector AOC HDMI Cable is available in lengths to suit a wide range of installations – up to 20meters (65'6").

- Active Optical Cable (AOC) 7.5m(24'7") to 20m(65'6"), 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 in all lengths from 7.5m(24'7") to 20m(65'6")
- 5 Year Warranty
- **Licensed HDMI 2.0 Adopter company**



Technical Specifications		
HDMI Cable Certification	10.0m - 20.0m 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		
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-20m 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	5.0mm±0.2mm / 0.19" Ø	
Mounting Depth	50.0mm/1.98"	
Cable Bend Radius	20.0mm/0.78"	
Retention Force (nom)	29.7N (3kg / 6.6lbs) +10/-5%	



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PRS³ 4K UHD 18Gbps AOC HDMI[®] Cable

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 2.0Mode, 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

Commercial Range Comparison Features	ONE	PRO ³	PRS ³	R.3
1080p60 On all Lengths	✓	✓	✓	✓
4K24 4:2:2 HDR12	to 3m	✓	✓	✓
4K60 4:4:4 8 Bit	✗	✓	✓	✓
10.2 Gbps Guaranteed Bandwidth	to 3m	✓	✓	✓
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	✗	✗	✓	✓
Lifetime Warranty	✓	✓	✓ ^②	✓
Jacket Material - fire rating	UL CM/G ^④	UL CMG	LSZH ^③	HF ^①

① Refers to Halogen Free Jacket Material ② 5 Year Warranty on All Active Cables ③ 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
K36232-0750-CH	7.5m 24' 7"	LSZH	Active Optical	6	1.76	12	4.4
K36232-1000-CH	10.0m 32' 9"	LSZH	Active Optical	6	2.11	12	5.1
K36232-1250-CH	12.5m 41' 0"	LSZH	Active Optical	6	2.51	12	5.9
K36232-1500-CH	15.0m 49' 2"	LSZH	Active Optical	6	2.91	12	6.7
K36232-1750-CH	17.5m 57' 5"	LSZH	Active Optical	6	3.21	12	7.3
K36232-2000-CH	20.0m 65' 6"	LSZH	Active Optical	6	3.56	12	8.0

Kordz products are sold with a limited warranty as outlined at: www.kordz.com

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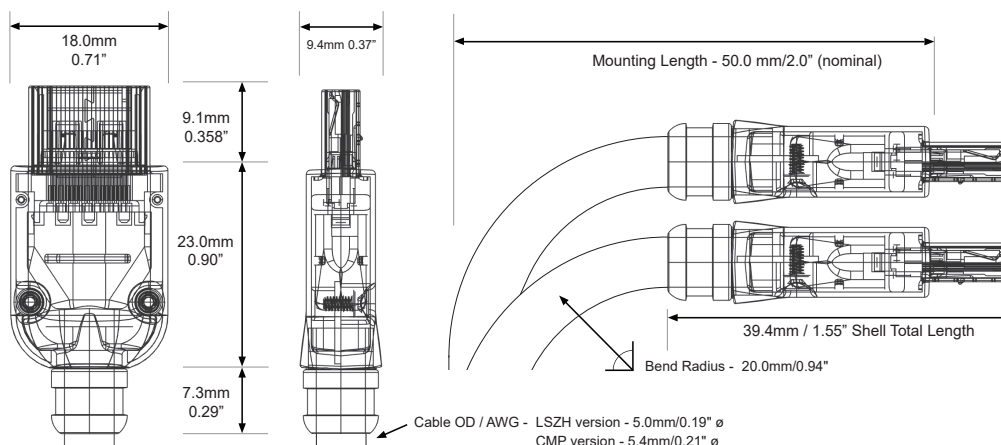
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- 100% of units tested on the production line for electrical continuity on all pins with additional 4K(2160p/60), 4:4:4, 17.82Gbps application test
- High Speed, all lengths
- CMP (Plenum) fire rated in all lengths from 7.5m(24'7") to 20m(65'6")
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Technical Specifications	
HDMI Cable Certification	
DPL Labs Certified Data Rate	10.0m - 20.0m ACTIVE OPTICAL
Supported Data Rate	6.0Gbps, 17.82Gbps agg
HDMI Clock	≥ 6.0Gbps, 17.82Gbps agg (4K UHD)
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TMDS	27-340MHz
Auxiliary Conductors	4x Polymer Insulated Glass Fibres
Insulation	30-24 AWG Tinned copper wire
	CMP Composite Polymer
	4C + HEAC Pairs
	FEP / FRPVC
Shielding	Overall
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Cable Jacket Material	CMP FRPVC Composite, 7.5m-20m lengths
HDMI Connector Shell	Premium gauge folded steel, 1μ" 24K Gold plated
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HDMI Backshells	Orange & Charcoal powder coated with stoving varnish die-cast zinc alloy shell assembly
Mechanical	
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HDMI[®]
2.0 Adopter

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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	✗	✗	✓	✓
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