

HDMI® Bandwidth Guide

	Mode	Frame Rate	Color depth (bits)	Chroma Subsampling	TMDS Clock (MHz)	Data Rate (Gbps)	Bandwidth (Hz)
HDMI 1.4 - 2009	720p	60	8	4:2:0	74.25	2.22	371.25M
	1080p	24	8/HDR10	4:4:4/RGB	74.25	2.22	371.25M
	1080p	24	8/HDR10/12	4:2:0/4:2:2	74.25	2.22	371.25M
	1080p	24	HDR12	4:4:4/RGB	148.5	4.455	742.5M
	1080p	24 3D	8/HDR10	4:4:4/RGB	148.5	4.455	742.5M
	1080p	24 3D	8/HDR10/12	4:2:0/4:2:2	148.5	4.455	742.5M
	1080p	60	8	4:4:4/RGB	148.5	4.455	742.5M
	1080p	60	8/HDR10/12	4:2:0/4:2:2	148.5	4.455	742.5M
HDMI 1.4 - 2009	1080p	24 3D	HDR12	4:4:4/RGB	185.63	5.56	928.15M
	1080p	60	HDR10	4:4:4/RGB	185.63	5.56	928.15M
	1080p	60	HDR12	4:4:4/RGB	222.75	6.68	1.114G
	1080p	60 3D	8/HDR10/12	4:2:0/4:2:2	297	8.91	1.485G
	1080p	60 3D	8	4:4:4/RGB	297	8.91	1.485G
	2160p	24	8/HDR10	4:4:4/RGB	297	8.91	1.485G
	2160p	24	8/HDR10/12	4:2:0/4:2:2	297	8.91	1.485G
	2160p	60	8	4:2:0	297	8.91	1.485G
HDMI 2.0 - 2013	1080p	60 3D	HDR10	4:4:4/RGB	92.81	11.14	1.86G
	2160p	24	HDR12	4:4:4/RGB	92.81	11.14	1.86G
	2160p	60	HDR10	4:2:0	92.81	11.14	1.86G
	1080p	60 3D	HDR12	4:4:4/RGB	111.38	13.365	2.28G
	2160p	60	HDR12	4:2:2	148.5	17.82	2.97G
HDMI 2.1	2160p	60	8	4:4:4/RGB	148.5	17.82	2.97G

4K Certification

DPL Laboratories 4K-18G Deep Color



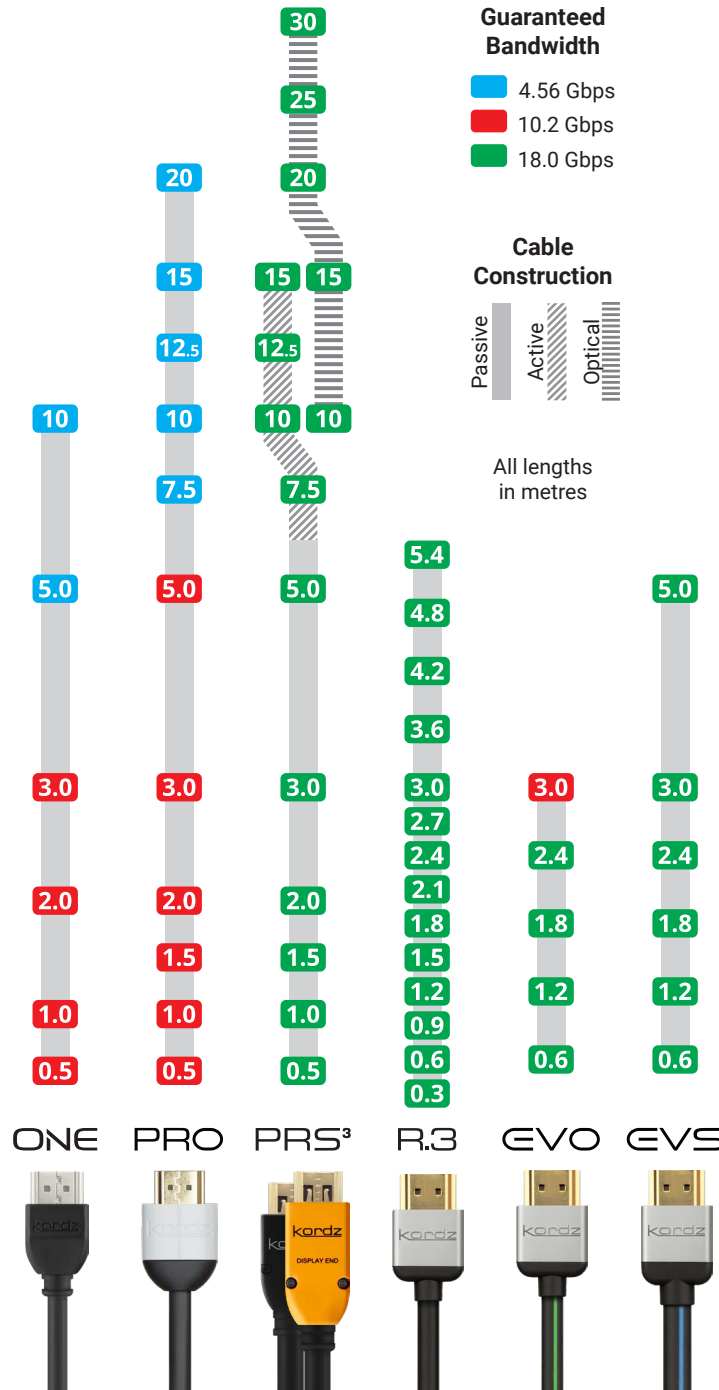
DPL Laboratories, Inc. are experts on high-bandwidth digital signaling solutions. The respected DPL 4K Product Certification Program is designed to combat the fears of cable and display manufacturers and end users alike.

THX Certified 4K Interconnect



The THX Interconnect Certification Program for 4K was developed specifically to benchmark HDMI cables capable of supporting HDMI 2.0 bandwidth demands. Certified cables must pass approximately 75 THX laboratory tests that span not only electrical and communication protocol performance, but also mechanical integrity and interoperability.

HDMI® Cable Guide



Kordz HDMI cables		Retail	
		All Purpose	Audio/Video Enthusiast
Commercial	Bulk Packaging	ONE	EVS
	Make Installations Easier	PRO	EVO
	High Performance	PRS ³	R.3
Critical Applications	High Performance	PRS ³	R.3
	Make Installations Easier	PRO	EVO
	High Performance	PRS ³	R.3
Audio/Video Enthusiast	Bulk Packaging	ONE	EVS
	Make Installations Easier	PRO	EVO
	High Performance	PRS ³	R.3

Note: Two years warranty on Kordz PRS³ active and optical (AOC) cables. Lifetime warranty on all Kordz passive cables.

ONE NEW!



Bulk Packaging

Everything you expect from Kordz in bulk packaged form. ONE is flexible, compact and certified for your HDMI plug-and-play needs. Each cable is tested to meet our lifetime guarantee.

Cables are individually bagged in a dispenser box.



Short Lengths (UHD 4K 24 HDR):
0.5m - 120 per box
1.0m - 100 per box
2.0m - 72 per box
3.0m - 56 per box



Long Lengths (1080p60):
5.0m - 36 per box
10.0m - 12 per box

PRS³ NEW!



High Performance

Designed specifically for high performance in a wide range of lengths from 0.5m to 30m.

ProGrip™ connectors with die-cast metal shells are designed to fit through 1" conduit and maintain reliability.

NOTE: ProGrip™ provides 3kg/6.6lbs retention force and is NOT designed for repeated insertion/extraction but where cable needs to stay in place such as environments where moving brackets are used.

- Passive copper from 0.5 to 5.0m
- Active copper from 7.5m to 15m
- Optical from 10m to 30m (1kg connector)
- Supports all HDMI 2.0 4K/UHD modes



PRO



Make Installations Easier

Made for the professional A/V integrator for robust residential and commercial installations. High quality construction and performance with simple cosmetics for reliable connectivity.

- All lengths to 20m support 1080p60
- All lengths to 5.0m support 4K/UHD 24 HDR
- 1kg/2.2lbs retention folded gold-plated connector
- Highly flexible CMG cable



Short Lengths (4K/UHD 24 HDR):
0.5m - 5.0m



Long Lengths (1080p60):
7.5m - 20.0m

R.3



For Critical Applications

Kordz R.3 has been engineered specifically for AV rack installs.

Flexible, robust, reliable and designed to fit firmly in place. Specified in 1ft increments from 1-10ft and then 2ft increments to 18ft.

- Compact, high quality Aluminium connector shells
- Dual wrap Al/Mylar + industry leading 90% coverage copper braid shield
- Anti-fatigue gold-plated 2kg/4.4lbs die-cast connectors
- Induction terminated high tensile contacts



EVO



All Purpose Retail

Highly flexible, tactile and in a round cable profile. Compact and elegant construction provides an attractive product you can use in any situation with confidence.

- Retail packaging
- Solid 32AWG OFC conductors
- Triple-shielded
- Gold-plated OFC copper connector pins for high quality, corrosion-free long-term repeated application



EVS



Audio Video Enthusiast

Designed for today's requirements for both 4K/UHD and HDR. Thicker conductors with 2% silver plating provide superior signal integrity. This results in higher fidelity and dynamics.

- Retail packaging
- 2% silver-plated solid 28AWG OFC conductors
- Triple-shielded
- Gold-plated OFC copper connector pins for high quality, corrosion-free long-term repeated application



kordz

Connectivity. Assured

HDMI Cable Guide 2018



Kordz believes that understanding HDMI is the key to making it work. Every Kordz product starts with a solid understanding of HDMI and the needs of professional installers.

Our attention to detail, design, precision engineering and commitment to educating the custom installation community is why Kordz is an internationally trusted, multi-award winning brand.

Connectivity, assured.

RoHS



kordz.com