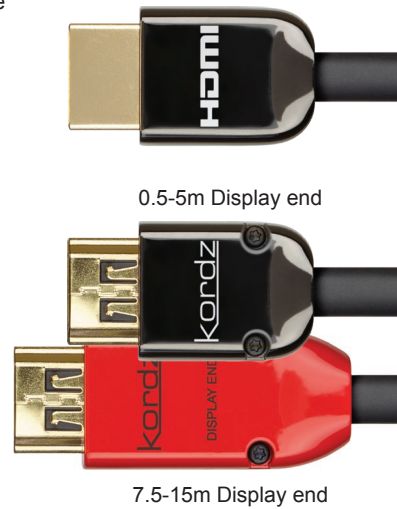


# PRS Fixed Installation HDMI® Cable

Kordz PRS features a narrow profile full metal die-cast shell assembly behind a unique grip tab HDMI connector for 3kg receptacle retention capacity. Engineered to mitigate connector dropout potential - not suitable for repeated plug/unplug events.

- ▶ High Speed with Ethernet, all lengths,
- ▶ Passive in lengths 0.5m - 5m / 16'4",
- ▶ Redmere active 7.5m - 15m, individually optimised with VerifEYE™,
- ▶ Engineered to fit through a 1" conduit,
- ▶ Induction soldered pin transitions for benchmark inter-terminal uniformity,
- ▶ Unique grip tab connectors for permanent installations,
- ▶ 100% of units tested on the production line for electrical continuity on all pins, with 1080p/60 application test,
- ▶ UL CMG fire rated in all lengths,
- ▶ Limited 2 year warranty on active lengths, lifetime on passive lengths,
- ▶ **Licensed HDMI 2.0 Adopter company.**



## Technical Specifications

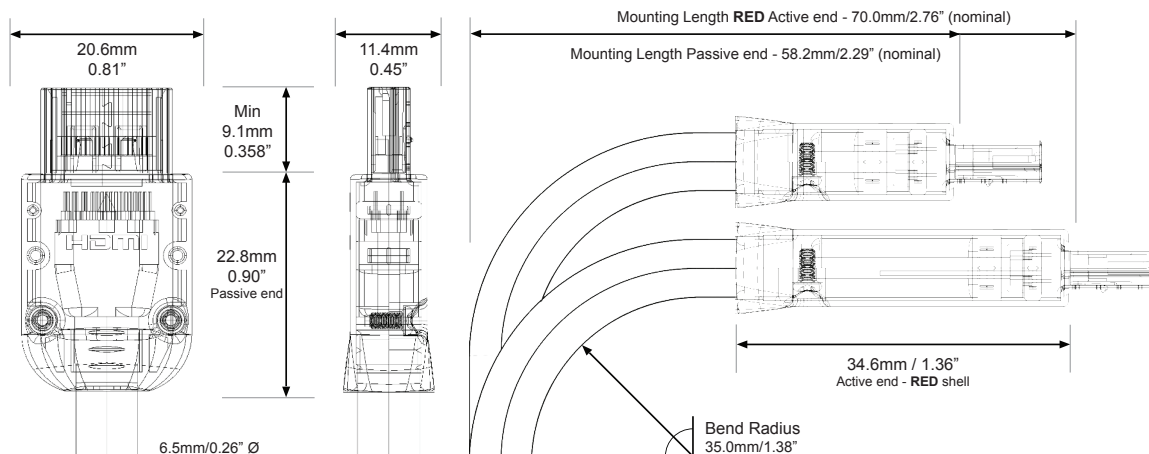
HDMI Compliance	≤ 5.0m <b>PASSIVE</b>	7.5m - 15m <b>ACTIVE</b>
HDMI CTS Certification	High Speed with Ethernet	High Speed with Ethernet
Certified Data Rate	3.4Gbps, 10.2Gbps agg.	3.4Gbps, 10.2Gbps agg.
Supported Data Rate	> 3.4Gbps (4K UHD)	> 3.4Gbps (4K UHD)
Supported HDMI Clock	27-340MHz	27-340MHz

## Construction

Primary Conductors	Solid 28AWG OFC
Insulation	TMDS ..... Foam-PE ≤1.7 relative permittivity
	4C + HEAC Pairs ..... Solid polyolefin ≤ 2.0 relative permittivity
Shielding	TMDS Pairs ..... Al/Mylar, 25% overlap
	Overall ..... Al/Mylar + Al braid 80% coverage
Cable Jacket	UL CMG fire rated PVC, all lengths
HDMI Connector Shell	Pressed steel with dual grip tabs, 1µ" 24K Gold plated
HDMI Connector Pins	Solid OFC, 15µ" 24K Gold plated
Active Technology (7.5m-15.0m)	Directional, Spectra7 in-shell module
Termination	Contactless IR induction soldering (passive ends)
HDMI Backshell	Dark chrome plated die-cast zinc alloy shell assembly

## Mechanical

Cable Diameter	6.5mm / 0.26" Ø
Mounting Length	Passive 58.2mm / 2.29"   Active 70.0mm / 2.76"
Cable Bend Radius	35.0mm / 1.38"
Retention Force (nom)	29.7N (3kg / 6.6lbs) +10/-5%



## Applications

- For permanent, standards compliant short or long length High Speed HDMI connectivity installations\*,
- Installations where desired connector retention exceeds that of standard or die-cast connectors\*, (grip tabs provide 50% more retention force at 29.7N/3kg nominal),
- 7.5m+ lengths with Spectra7 (Redmere) technology for direct interconnection between AV devices†,
- In-wall cabling, fits through a 1" Ø conduit,
- Hotel room AV systems and bars,
- Digital signage & video walls,
- UHD video and professional graphics up to 1440 Vres,
- 1080p & 2160p (UHD) projector installations,
- HDMI 2.0 scaleable.


\* Proprietary grip tabs are NOT suitable for repetitive plug/unplug events, as tabs will fatigue - for permanent installs only.

† Active cables (7.5m-15.0m) 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
<b>1080p</b>	
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
<b>2160p (UHD/4K)</b>	
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
<b>VESA graphics</b>	Supports all as defined by HDMI specification, up to 10.2Gbps
<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 Ethernet Channel</b>	Supported, system dependent
<b>HDMI Audio Return Channel</b>	Supported, Single Mode & Common Mode

## Models

	Length	Model	AWG	Technology
	0.5m   1' 7"	PRS-HD0050	28	Passive
	1.0m   3' 3"	PRS-HD0100	28	Passive
	1.5m   4' 11"	PRS-HD0150	28	Passive
	2.0m   6' 6"	PRS-HD0200	28	Passive
	3.0m   9' 10"	PRS-HD0300	28	Passive
	5.0m   16' 4"	PRS-HD0500	28	Passive
	7.5m   24' 7"	PRS-HD0750	28	Spectra7 Active, Directional
	10.0m   32' 9"	PRS-HD1000	28	Spectra7 Active, Directional
	12.5m   41' 0"	PRS-HD1250	28	Spectra7 Active, Directional
	15.0m   49' 2"	PRS-HD1500	28	Spectra7 Active, Directional

