

4K HDMI CABLE 2.0

PDS-0229



DESCRIPTION

This cable utilizes the latest HDMI standards that support bandwidth of up to 18Gbps to achieve the highest transmission rate capable of delivering 4K Ultra-HD resolutions. Wirewerks 4K HDMI Cable 2.0 offers up to 2160p@60Hz, HDCP 2.2 support, HDR, 48-bit Deep Colour, 3D, 32 audio channels, Dolby 7.1, 21:9 video aspect ratio, Multi-stream audio and video as well as Ethernet & Audio return channels which eliminates the need for separate networking and audio cables. Wirewerks 4K HDMI 2.0 cables come in various lengths ranging from 3ft to 50ft.

**FEATURES
and BENEFITS**

- Enables transmission of High Dynamic Range (HDR) video
- Bandwidth up to 18Gbps
- 4K@50/60 (2160p), which is 4 times the clarity of 1080p/60 video resolution
- Up to 32 audio channels for a multi-dimensional immersive audio experience
- Up to 1536kHz audio sample frequency for the highest audio fidelity
- Simultaneous delivery of dual video streams to multiple users on the same screen
- Simultaneous delivery of multi-stream audio to multiple users (Up to 4)
- Support for the wide angle theatrical 21:9 video aspect ratio
- Dynamic synchronization of video and audio streams
- Backwards compatible with HDMI 1.4, 1.3 & 1.2
- 24K High-quality gold-plated connectors
- CEC and ARC features allow you to simplify your setup by letting you control your devices from one control point

APPLICATIONS

- HDTVs
- Tablet computers
- PC & peripherals
- PMP digital still cameras
- Digital camcorders
- Game consoles
- AV receivers
- Blu-ray players/recorders
- DVD players/recorders

**ORDERING
INFORMATION**

Part Number	Description
HD200-003	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 3ft
HD200-006	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 6ft
HD200-010	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 10ft
HD200-012	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 12ft
HD200-015	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 15ft
HD200-025	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 25ft
HD200-030	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 30ft
HD200-050	HDMI 2.0 High-Speed with Ethernet, CL3 FT4, 50ft

**PACKAGING
and SHIPPING**

Description	Dimensions
Individual poly bag, factory sealed	< 35ft - 10" x 14"
	> 35ft - 15" x 16"

**PHYSICAL
SPECIFICATIONS**

Parameter	Value
Conductor Material	Tinned copper
Conductor Size for Cable ≤15ft	28AWG HDMI2.0 cable
Conductor Size for Cable >15ft and ≤30ft	26AWG HDMI2.0 cable
Conductor Size For Cable >30ft and ≤50ft	24AWG HDMI2.0 cable
Insulation Material	FM-PE+SKIN / HD-PE
Drain Material	Tinned copper
Braid Material & Coverage	A-M alloy
Jacket	UL CL3 rated and CSA FT4 rated
Cable Style	UL813 black half matt PVC
Connector Shielding	Copper adhesive foil 360° coverage
Connector Type	HDMI 19Pin male
Connector Shell	3U" gold plated
Contacts	3U" gold plated

**MECHANICAL
SPECIFICATIONS**

Parameter	Value
Pulling Force	110N (25lbf.)
Temperature Range	-20° C (-4° F) ~ 85° C (185° F)

ELECTRICAL CHARACTERISTICS

Parameter	Value
Rating	Temperature 80° C (176° F); 30 V
Conductor Resistance at 20° C (68° F)	24AWG: 93.25Ω/km
Insulation Resistance at 20° C (68° F) 500 V dc	10MΩ/km min at 20° C dc 500V (EIA-364-21)
Contact Resistance	2.0 Ω maximum
Dielectric Strength	AC 500V/1minute no breakdown (EIA-364-20)

ELECTRICAL PERFORMANCE

Parameter	Value
Impedance of Shielded Pairs	Pairs (differential mode) 100 ± 10Ω
Propagation Delay Skew	Intra pair: 111 ps/cable maximum
	Inter pair: 1.78 ns/cable maximum
Attenuation	1.6dB/6.0m: 0.30~10MHz
	5dB/6.0m: 10~100MHz
	7.1dB/6.0m: 100~200MHz
FEXT	20dB/cable @1~5000MHz (max)