

PIXELGENDESIGN

THX® Certified Max 4K Interconnect



Overview

At 18Gbps, cables matter. Introducing the Max 4K Interconnect series of HDMI® cables by Pixelgen Design™. These thin, flexible passive HDMI cables guarantee max 18G bandwidth and complete HDMI functional feature-set.

Available in 0.3, 0.5, 1, 2, 3 and 5m, all Max 4K Interconnect lengths have achieved the superior designation of passing through the THX® Certified 4K Interconnect program.

All mechanical characteristics of the Max 4K Interconnect series of cables have been carefully engineered by Pixelgen to ensure the highest level of signal integrity with from a high-speed, low-speed communication & DC perspective.

Specifically, careful consideration has been taken with critical mechanical characteristics such as; wire gauge, high-speed twist ratios, shield uniformity and overall wire arrangement layout. Consideration of these elements help maximize signal integrity as well as isolate critical signals within the cable itself for maximized reliability and interoperability.

Highly attractive premium look and feel on the outside, and superior premium cable quality on the inside. No compromises have been made, well thought out and refined. Pixelgen Design has put an intense focus on delivering one of the biggest “missing links” in the market. Robust 18Gbps connectivity solutions. Max 4K Ensured.

Specifications

- THX® Certified 4K Interconnect
- 0.3m-2m lengths utilize 34AWG/8C (4.5mm OD), 3m & 5m lengths utilize 28AWG/8C (6.5mm OD)
- Supports all formats & functionality within HDMI 2.0b specification (including 4K60 8-bit 4:4:4 & 4K60 12-bit 4:2:2)
- HDR10 4K60 10-bit 4:2:0 (11.1Gbps) compatible
- Dolby Vision (WCG) 4K60 12-bit 4:2:0 (13.4Gbps) compatible
- ARC, HEC & CEC 2.0 supported
- Optimized isolation from EMI/RF interference
- Engineered in Canada by Pixelgen Design™

THX® Certified 4K Interconnect Advantage

- Assured true uncompressed HDMI transport up to 18Gbps (4K60 8-bit 4:4:4 & 4K60 12-bit 4:2:2)
- Specialized tests catering to passive HDMI cable needs (Jitter, Insertion Loss etc.)
- Guaranteed functionality of complete HDMI feature-set including HDCP 2.2, ARC, HEC and CEC 2.0
- Stringent fitness-to-application testing (power sequencing, hot-plugging) to ensure highest level of in-field reliability.

Certification, Environmental & Regulatory

- THX® Certified 4K Interconnect
- CE Rated
- RoHS Compliant
- CMG Rated (lengths 3m and greater)

Ordering Information

- PXL-CBH03: 0.3m Max 4K Interconnect (Cable)
- PXL-CBH05: 0.5m Max 4K Interconnect (Cable)
- PXL-CBH1: 1m Max 4K Interconnect (Cable)
- PXL-CBH2: 2m Max 4K Interconnect (Cable)
- PXL-CBH3: 3m Max 4K Interconnect (Cable)
- PXL-CBH5: 5m Max 4K Interconnect (Cable)
- PXL-CBH10¹: 10m Max 4K Interconnect (Cable)
- PXL-CBH15¹: 15m Max 4K Interconnect (Cable)

Note¹: Max 4K Interconnect System (Pixelgen™ Max 4K Interconnect cable + PXLDRIVE) available to achieve 10 & 15 & 20m lengths up to 18Gbps. See pixelgendesign.com/products/pxldrive for more details.

About Pixelgen Design

Pixelgen Design, a Canadian-based engineering-first organization was founded in February, 2015 when Jack MacDougall set out on his own after 15 years in the industry. Pixelgen Design promises—and delivers—pure 18G uncompressed UHD signal extension products. Designed in-house from the ground up, our family of HDMI extension methods are guaranteed to support all A/V formats and functionality currently supported by the latest HDMI 2.0b specification.

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