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## Key Digital Releases Plenum Rated HDMI Cables

Plenum rated active optical HDMI fiber cables enable long-distance HDMI signal extension with no power device required

**Mount Vernon, NY – December 4, 2019** – Key Digital, the leaders in digital video and control systems, presents their new line of plenum active optical HDMI fiber cables available in lengths from 10 m / 33ft to 100 m / 328 ft.

“We are extremely excited to unveil our first ever plenum-rated HDMI cables,” said Jonathon Ferry, National Training Manager for Key Digital. “This release is representative of Key Digital’s growth in commercial new-construction audio visual projects. The flame retardant and low smoke characteristic cables are UL approved for installation in plenum spaces. These features and certifications go hand-in-hand with the plenum Aoch cable series, which allow AV integrators to extend HDMI 4K/18G signals at an unprecedented length up to 328 feet or 100 meters.”

This active optical copper hybrid cable series offers the latest in 4K resolutions with Ultra HD/4K support up to 4096x2160 or 3840x2160 50/60Hz at 4:4:4 with 18 Gbps bandwidth high speed performance for the latest HDMI video specifications. Key Digital Plenum Active Optical HDMI Fiber cables are directional with each head containing specific handling for optimal performance.

The Key Digital Plenum Active Optical HDMI Fiber cables include [KD-AOCH33P](#), [KD-AOCH49P](#), [KD-AOCH66P](#), [KD-AOCH98P](#), [KD-AOCH131P](#), [KD-AOCH164P](#), and [KD-AOCH328P](#)

Unlike traditional copper HDMI cabling, the Key Digital active optical copper hybrid cables deliver full 4K/18Gbps signals at greater distances.

The signal of the video and audio layer is not subjected to typical signal degradation due to sending the TMDS channel, the heaviest portion of HDMI signals, over optics. A minimal amount of copper wiring is included inside the cables to carry power and essential EDID handshaking information, HDCP authentication, and more.

With 28 AWG measurement, Key Digital Plenum Active Optical HDMI Fiber cables are thin, flexible, and support a tighter bend radius than traditional HDMI.

Key Digital's Plenum Active Optical HDMI Fiber cables are HDCP 2.2 compliant and backward compatible with previous HDCP versions.

These cables have been designed using Open Eye Technology and each is tested for noise-free performance. Key Digital Plenum Active Optical HDMI Fiber cable series has deep color support up to 4K 24/25/30Hz 4:4:4/12 bits or 50/60Hz 4:2:0/12 bit as well as HDR10 (High Dynamic Range) delivering life-like images through the use of a greater range of luminance levels.

Key Digital Plenum Active Optical HDMI Fiber cables supports Audio Return Channel (ARC), allowing audio to be returned from the display back to the HDMI source for amplification and display. Support for digital audio formats includes Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio. The Ethernet channel on the cables supports up to 100 Mb/s of Ethernet speeds between two HDMI connected devices.

## **About Key Digital®**

Led by the "Father of DVD", Mike Tsinberg, Key Digital® is an InfoComm, CEDIA, CES, and NAHB award winning manufacturer of professional distributed video and control system equipment.

Since 1999, Key Digital has led the constantly evolving A/V industry by designing products that deliver industry leading quality, performance, and reliability to corporate, bar & restaurant, digital signage, education, government, and house of worship applications.

Key Digital products are designed and engineered in-house in Mount Vernon, NY. Superior quality, ease-of-installation, and versatility are the result of strenuous research, development, and testing. Expertise and unparalleled knowledge have created a unique hardware-software suite solution ideal for the consultants, designers, and installation firms of the A/V industry. Key Digital® is known to deliver best-in-class products based on quality, performance, and reliability.

For more information, visit our webpage at <http://www.keydigital.com>.