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| Product Link: [Plenum AOCH Cables](https://keydigital.org/category/active-optical-hdmi-fiber-cables) |

# Key Digital Plenum-Rated Cables Perfect for Residential Installations

## New technology enables uncompressed signal extension of HDMI 4K HDR signals

**Mount Vernon, NY – June 9, 2020** – Key Digital, the leaders in digital video and control systems, spotlights its recently added line of [plenum active optical HDMI fiber cables](https://keydigital.org/category/active-optical-hdmi-fiber-cables) for consideration in upcoming residential upgrades. The company’s first ever plenum-rated HDMI cables available in lengths from 10 m (33ft) to 100 m (328 ft) are a perfect staple in commercial new-construction AV, but residential installations and modernization projects benefit greatly from these innovative cables as well.

“Right now, everyone is home an exponentially higher number of hours than usual. These are the times that we daydream and start to hone-in on home projects that make our personal spaces exciting and convivial. People are antsy to start renovations and take that step toward the AV upgrades of their dreams, and Key Digital wants to remind integrators that our plenum active optical HDMI fiber cables are first-class and a must in any quality installation. We want to give security and peace of mind to our residential installers and their clients in the knowledge that they are covered with the best cables on the market,” said Masha Lakhter, COO of Key Digital.

The Key Digital Plenum Active Optical HDMI Fiber cable product family includes [KD-AOCH33P](https://keydigital.org/shop/product/kd-aoch33p-2323), [KD-AOCH49P](https://keydigital.org/shop/product/kd-aoch49p-2324), [KD-AOCH66P](https://keydigital.org/shop/product/kd-aoch66p-2325), [KD-AOCH98P](https://keydigital.org/shop/product/kd-aoch98p-2326), [KD-AOCH131P](https://keydigital.org/shop/product/kd-aoch131p-2332), [KD-AOCH164P](https://keydigital.org/shop/product/kd-aoch164p-2331), and [KD-AOCH328P](https://keydigital.org/shop/product/kd-aoch328p-2327).

This 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. The cables are directional with each head containing specific handling for optimal performance. With 28 AWG measurement, the cables are thin, flexible, and support a tighter bend radius than traditional HDMI.

Each cable is HDCP 2.2 compliant and backward compatible with previous HDCP versions. Deep color is supported 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.

With Key Digital’s plenum-rated cable series, the signal of the video and audio layer is not subjected to the typical signal degradation of sending the heaviest portion of HDMI signals, the TMDS channel, 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.

Audio Return Channel (ARC) support allows 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>.