

QED PERF OPTICAL U.HS HDMI 15m

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Kategorija proizvoda: Hi-Fi Digitalni Kablovi
Proizvođač: QED

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Engineering pedigree

QED has been designing and engineering superior analogue and digital cables for more than 45 years, and its new Performance Optical Ultra High Speed HDMI cable is informed by the results of the company's exhaustive research into cable design since 1995.

Supports 8K and the latest HDMI standards

The perfect solution for modern day AV installations, this high-performance HDMI 2.1-certified cable can handle all current HDMI standards, including uncompressed 48Gb/s 8K@60Hz video resolution, Dolby Atmos audio and HDR (High Dynamic Range)* picture technology.

FEATURES AND BENEFITS

Innovative hybrid design

The company's innovative Ultra High Speed Active Optical Technology™ hybrid design combines copper core with optical fibre that resists data degradation over extremely long lengths – all without the need for an external power supply.

Pure copper conductor cables three metres in length or more will cause the 48 Gb/s HDMI signal to breakdown where it would no longer be reliably decoded at the other end. By replacing four of the nineteen copper cores with optical fibre, data transmissions will be unaffected by losses (due to impedance mismatch) or timing variances (due to crosstalk) over longer cable runs.

QED HDMI guarantee

All QED HDMI cables undergo stringent mandatory testing at an HDMI Forum Authorized Testing Centre to not only to ensure compatibility with the new 2.1 video standards but also to ensure low levels of electromagnetic radiation, to reduce the possibility of interference with wireless networks, streaming media players, Bluetooth devices and mobile phones.

The QED Ultra High Speed Active Optical Technology™ ensures this cable is fully certified, performing at the 48 Gb/s data rate with all the necessary attendant data and control signals demanded by HDMI 2.1 in lengths up to 20 metres - no matter what brand or combination of 2.1-compatible equipment being used.

Compliant with HDCP 2.2 and with full CEC, DDC, HDR, HEC and eARC compatibility, this cable has received the official stamp of approval from the HDMI Forum accredited laboratory in the form of the instantly recognisable Ultra High Speed Certification Program logo on the packaging. Just scan the QR code on the label using the official HDMI app to be reassured that the cable is a genuine QED Ultra Speed Active Optical HDMI cable.

Reaction to Fire certification

Professional installers or AV enthusiasts wishing to conceal the cable within the structure of a building can rest assured the cable's the Low Smoke Zero Halogen jacket and internal components are all certified and fully compliant with the latest EN 50575:2014 regulations. This covers cables for general applications in construction works subject to reaction to fire requirements which are now in force throughout the UK and EU.

*High Dynamic Range

High Dynamic Range (HDR) is a TV picture technology that offers greater contrast ratio and more brightness steps for a smoother picture with more detail in both bright and shadowy areas. A related technology usually associated with HDR is Wide Colour Gamut (WCG), which offers an expanded colour palette. Both

technologies are supported by the new QED Performance Optical Ultra High Speed HDMI cable.

Technical Specifications

- Full Compliance with 8K@60Hz 4:2:0 uncompressed resolutions. *Display Stream Compression for resolutions up to 10K@120hz (4:2:2)
- Data transfer rates up to 48 Gb/s
- Compatible with HDMI 2.1 standard: EDID, CEC, HDCP (2.2), HDR+ (High Dynamic Range), HEC, eARC
- Backward compatible with HDMI 2.0/HDMI 1.4b
- Triple-shielding further protects against interference for optimal signal quality
- Ultra High Speed QR Code for peace of mind
- Delivers dual video streams to compatible displays
- Supports up to eight PCM channels, DTS-HD Master and Dolby Digital True HD surround sound audio
- Delivers multi-stream audio to up to four users
- Zinc-alloy HDMI connectors for enhanced durability and performance
- OM3 fibre technology greatly reduces EMI/RFI emissions
- Hybrid construction utilizes both fiber and copper
- Extended temperature range from -40 to 70°C for installations in harsh environments or manufacturing floors
- LSZH Jackets comply with Reaction to Fire Class CCA –s1, d0
- Source & Display clearly printed on the connector for easy identification
- Has high pulling strength and compression load
- Plug and Play, no external power required

Connected Device	Compatible Display
Blu-ray Player	3D TV, 4K TV, HDTV, LCD TV, Projector, 3D/4K Projector
DVD Player	HDTV, LCD TV, Projector
Digital Set-top Box	HDTV, LCD TV, Projector
Games Console	3D TV, 4K TV, HDTV, LCD TV, Projector
Home Cinema Amplifier	3D TV, 4K TV, HDTV, LCD TV, Projector
AV Amplifier	3D TV, 4K TV, HDTV, LCD TV, Projector
Computer	HDTV, LCD TV, Projector
Laptop	HDTV, LCD TV, Projector
TV (as source)	Receiver, AV Amplifier, Projector
Receiver	3D TV, 4K TV, HDTV, LCD TV, Projector
AV Amplifier	3D TV, 4K TV, HDTV, LCD TV, Projector
Home Theatre Systems	3D TV, 4K TV, HDTV, LCD TV
Soundbar	3D TV, 4K TV, HDTV, LCD TV