

SUPERIOR QUALITY 8K & 4K HDMI FIBER CABLE



SPEED 48 Gbps

3D

8K60p @ YUV 4:2:0

HDMI 2.0
HIGH-DEFINITION MULTIMEDIA INTERFACE

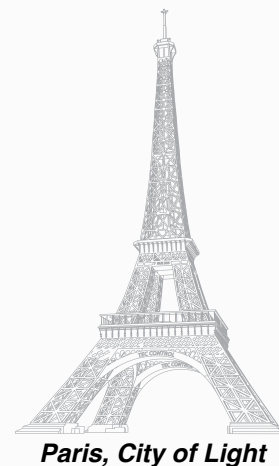
HDMI 2.1
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDR
Auto-Tone Mapping
Perceptual Quantization EOTF
Hybrid Log

Innovative Performances

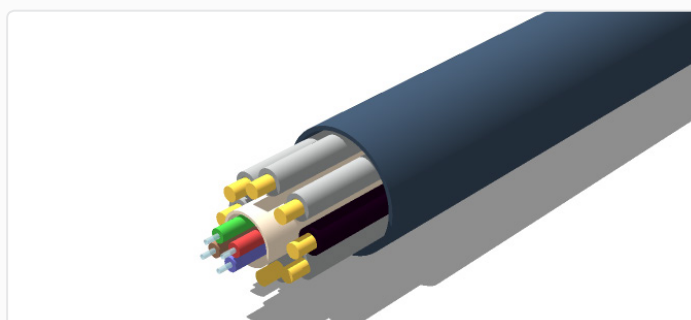
The constant innovations of our projection units and the need for a quality video transmission canal gave us the need for higher quality cables than the current standard, widely available on the market.

Our researches led us to the logical conclusion that light, being the fastest travelling known particle, can also be used to obtain reliable, fast and high bandwidth communication for audio and video. This year, we are also introducing a new 8K compatible range of optical cables that embrace the latest HDMI 2.1 standard.



4K and 8K Cables Specifications

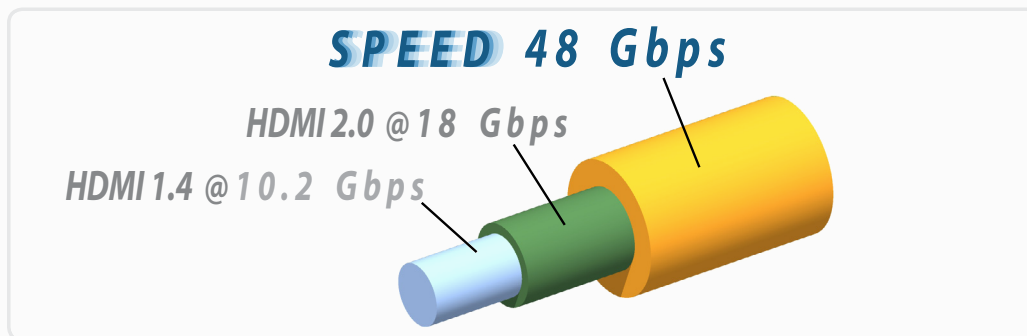
	4K cables	8K cables
Maximum Signal	4K @ 60p, YUV 4:4:4	4K @ 120p, YUV 4:4:4 8K @ 60p YUV 4:2:0
Communication Canals	3x TMDS	4x FRL
Max. Baud Rate	18 Gbps	48 Gbps
Available Lengths	5 m up to 100 m	5 m up to 100 m
HDCP protocol	HDCP 2.2 protection	HDCP 2.2 protection
Auto-detect EDID	Yes	Yes
HDR support	Yes	Yes, Static and Dynamic
ARC support	Yes	Yes, eARC
Enhanced Refresh Rate Features	No	VRR Variable Refresh Rate ALLM Auto Low Latency Mode QFT Quick Frame Transport QMS Quick Media Switching
Self powered	Yes, no external supply	Yes, no external supply
Mechanical	150 Newton pulling force 6 cm bending radius	150 Newton pulling force 6 cm bending radius
VESA	No	VESA DSC 1.2a
Compatibility	HDMI 1.4, HDMI 2.0	HDMI 1.4, HDMI 2.0 and HDMI 2.1
Operating Conditions	0°C - 50°C 10% - 80% humidity	0°C - 50°C 10% - 80% humidity



The hybrid construction mixing copper and optical ensures both functionality and robustness of our cables

Ultra High-Speed 8K Optical cables

Thanks to the use of light, the video signal travels through the cable instantaneously. The available bandwidth of 48 Gbps is large enough to enable new media playback functions and larger resolutions with higher frame rates as defined in the HDMI 2.1 standard. For instance, it is now possible to watch 4K at high frame rates such as 100 ips or 120 ips.



HDMI 2.1 cables have a notably larger bandwidth than the previous 2.0 and 1.4a revisions cables

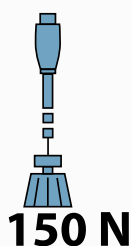
The new Audio Return Channel, eARC

The ARC feature introduced in the HDMI 2.0 standard allows an easier and richer audio playback. For instance, it lets you play music from an app installed on your TV to any loudspeaker connected to the sound system or amplifier. Inversely, it can also play any audio source back to your TV speakers. New eARC feature provides a faster and simpler connectivity with audio devices. The eARC supports a more sophisticated encoding that allows for more complex audio encoding such as HDR sound or 3D audio, so you can listen to your favorite music without any quality loss.

A solid and flexible cable for an easier integration

Thanks to the use of high quality optical material, our cables can be safely pulled through electrical conduits with a 150 Newton force, additionally the bending radius of 6 cm greatly eases the passage of the cable, even in torn flexible conduits.

The Customized Cables can be ordered in any lengths ranging from 5 up to 100 meters. Only the 4K HDMI cables can be ordered with micro-HDMI (also called HDMI D) terminals reducing even further the section of the cable for an easier in-wall install.



micro HDMI (D)

Enhanced Refresh Rate Features

The 8K HDMI cables come with a set of new handy features that will greatly improve the functionalities and the user experience provided by HDMI 2.1 compatible electronic devices.

- ALLM stands for Auto Low-Latency Mode, will let a game console or computer to send a signal to the display that will automatically switch to a low latency, low lag mode. This feature will also greatly benefit interactive activities such as karaoke, virtual reality or video conferencing.

- VRR is the acronym for Variable Refresh Rate, it refers to a gamer oriented feature that lets the display to adapt its Refresh Rate dynamically to the video source fastest frame rate. This ensures the best picture quality when the system has sufficient video processing horsepower and in the case that the source suffers from an unexpected low frame rate output, this mode will also eliminate the picture judder and tearing that may traditionally appear.



VRR eliminates picture tearing and brings a much smoother experience

- QFT, Quick Frame Transport is a new option that will accelerate the transport of the video frames through the HDMI communication ports, ultimately reducing the latency.
- QMS is the nickname for Quick Media Switching. This is the long-awaited feature that will ensure a smooth transition between different input resolutions or refresh rates and eliminating the too well known audio video blackouts.

References

	Description
HF18005A	4K cable - HDMI A to HDMI A - 5 meters
HF18010A	4K cable - HDMI A to HDMI A - 10 meters
HF18015A	4K cable - HDMI A to HDMI A - 15 meters
HF18020A	4K cable - HDMI A to HDMI A - 20 meters
HF18030A	4K cable - HDMI A to HDMI A - 30 meters
HF18050A	4K cable - HDMI A to HDMI A - 50 meters
HF18100A	4K cable - HDMI A to HDMI A - 100 meters
HF18XXXA/D	Customized 4K HDMI cable, length up to 100 meters
HF18000R	HDMI 2.0 Repeater 4K
HF48005A	8K cable - HDMI A to HDMI A - 5 meters
HF48010A	8K cable - HDMI A to HDMI A - 10 meters
HF48015A	8K cable - HDMI A to HDMI A - 15 meters
HF48020A	8K cable - HDMI A to HDMI A - 20 meters
HF48030A	8K cable - HDMI A to HDMI A - 30 meters
HF48050A	8K cable - HDMI A to HDMI A - 50 meters
HF48100A	8K cable - HDMI A to HDMI A - 100 meters
HF48XXXA	Customized 8K HDMI cable, length up to 100 meters

