

iFiber

HDMI 2.0 4K MPO Detachable Pure Optical Fiber Cable

Design Spec V1.0

Secure Your Next Project

Yes, we are unique. For AV integrators, some unique specification is always the key to win technically a tender and ensure a good profitability. Primarily, by providing a strong well-written specification, you can effectively block our competition from providing an alternative solution.

In an RFP to help our value-added partners, we have identified key areas to focus on, which in return, will result in a better 'win-ratio' to successfully secure your next project.

Specs

The cable shall adopt standard MPO detachable connectors.

The cable shall be pre-wired without any "Source to Display" direction concerns.

The cable shall be designed with HDMI to MPO detachable connectors.

The cable shall be capable of up to 72Gbps bandwidth for future upgrade.

The cable shall support HDMI 2.0 18Gpbs 4K60Hz signal and 4:4:4 color sampling.

The cable shall transmit HDMI 4K60Hz 4:4:4 signal up to 303 meters or 1,000 feet.

The cable shall transmit 4K content lossless.

The cable shall be pre-wired through a minimum conduit with diameter $\frac{3}{4}$ inch (21 mm).

The cable shall support HDCP (High Bandwidth Digital Content Protection) 1.4/2.2.



The cable shall support DDC (Display Data Channel).

The cable shall support (EDID Extended Display Information Data) detection and auto learning .

The cable shall support HDR (High Dynamic Range).

The cable shall support ARC (Audio Return Channel).

The cable shall support CEC (Consumer Electronics Control).

The cable shall contain at least 8-core OM3/OM4 50/125um pure fiber without any cooper wire in the main body.

The cable shall be capable to upgrade to HDMI 2.1 8K by replacing the connectors.

The cable shall be EMI (Electro-Magnetic Interference) free and RFI (Radio Frequency Interference) free.

The Insertion Loss shall be less than 0.3dB.

The cable shall support bend radius 20mm.

The cable shall has diameter no more than 3mm, shall be in round shape.

The cable shall be installed without fiber terminations, testing and tools.

The cable shall draw 5V power from the HDMI source.

The cable includes the MPO cable and the HDMI to MPO connectors shall come from the same brand.

The fiber optic cable shall support pull strength 112 pounds or 500N.