

# Low-Cost 4K 18Gbps HDMI Active Optical Cable – RoHS Compliant

**XTENDEX®**

## Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 100 meters (328 feet)

- High speed and long distance transmission by optical system up to 100 meters (328 feet).
  - Hybrid cable containing both fiber optic and copper cores.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 and 4096x2160 @60Hz YUV 4:4:4, and HDTV resolutions to 1080p @144Hz.
- No loss of signal – delivering crystal clear digital images instantly.
- No external power required.
- HDMI features supported:
  - HDMI 2.0
  - Up to 16-bit Color and 48-bit Deep Color
  - YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0, and RGB
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS Dolby, and LPCM 7.1.
  - Bandwidth up to 18Gbps
  - Supports ARC, HDR, and CEC
  - 3D
  - Lip Sync
- HDCP 2.2 compliant.
- Optical fibers immune to signal noise.
- Low RFI/EMI for sensitive applications.
- Supports Plug-n-Play specification.
- EDID learning for the support of any HDMI display device.
- Thin and ultra-lightweight construction.
- Ideal solution for many applications, including:
  - Digital Signage
  - Medical Imaging Equipment
  - Airplane On-board Video System
  - Home Theater
  - TV Broadcast Station
  - Conference Room Video Equipment
- These cables are directional. See labeled connector ends.



**XTENDEX® HD4K18GB-FO-xxM-MMLC**

- **Extend Ultra-HD 4Kx2K 60Hz 4:4:4 to 100 meters**
- **18Gbps bandwidth**
- **HDCP 2.2**
- **No power supply required**

The XTENDEX® Low-Cost 4K HDMI Active Optical Cable locates an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 100 meters (328 feet) from a video source. Using optical fiber, the HD4K18GB-FO-xxM-MMLC provides high reliability HDMI signal transmission with zero signal loss in high noise environments.

## Specifications

- Connectors: Male HDMI Type A connectors.
  - These cables are directional. See labeled connector ends.
- Resolutions: supports resolutions up to Ultra-HD 4Kx2K 4:4:4 (4096x2160 and 3840x2160) @60Hz, and HDTV to 1080p @144Hz.
- Supports HDCP 2.2/1.4.
- Video bandwidth: 18Gbps
- Cable Diameter: 5.8 mm (0.23 in)
- Connector Width: 18.7mm (0.74 in)
- Bend Radius: up to 20mm (0.78 in)
- Cable construction: 4 fiber cores and 7 copper conductors
- Cable jacket: PVC
- Available lengths: 20/30/50/100 meters

### Environmental

- Operating temperature: -40 to 158°F (-40 to 70°C).

### Regulatory Approval

- RoHS

### Warranty

- Two years