

100M HDMI Active Optical Cable

Product Specifications

Product Type: HDMI Active Optical Cable (AOC)

Cable Length: 100 meters (328 feet)

Technology: Fiber optic transmission with electrical-to-optical conversion

Connector Type: HDMI Type A male on both ends

HDMI Version: HDMI 2.0

Maximum Resolution: 4K x 2K at 60Hz (3840 x 2160)

Supported Resolutions: 4K, 1080p, 1080i, 720p, 576p, 480p

Color Depth: 24-bit, 30-bit, 36-bit deep color

HDCP Support: HDCP 2.2 and HDCP 1.4 compliant

Audio Support: Multi-channel audio including DTS-HD Master Audio, Dolby TrueHD

Bandwidth: Up to 18 Gbps data transfer rate

3D Support: Full 3D video format support

HDR Support: HDR10 and Dolby Vision compatible

Signal Type: Directional cable (source to display marked on connectors)

Cable Core: Optical fiber for long-distance signal transmission

Signal Loss: Near-zero signal degradation over 100 meters

EMI/RFI: Immune to electromagnetic interference

Power: Powered by HDMI source device (no external power needed)

Power Consumption: Maximum 250mA from source

Cable Diameter: 5mm slim and flexible design

Cable Material: Durable PVC outer jacket with fiber optic core

Bend Radius: Minimum 10x cable diameter

Connector Housing: Reinforced metal connectors with strain relief

Temperature Resistance: Fire-resistant and heat-resistant materials

Color: Black

Operating Temperature: -20°C to 60°C (-4°F to 140°F)

Storage Temperature: -30°C to 70°C (-22°F to 158°F)

Humidity: 10% to 90% non-condensing

Weight: Lightweight compared to copper cables of equal length

Application: Large venues, auditoriums, conference centers, stadiums, long-distance installations

Advantages: No signal loss, lightweight, flexible, immune to interference

Compliance: CE, FCC, RoHS certified

About IT&E Electric

IT&E Electric is a Ghana-based electrical company delivering safe, reliable, and professional electrical services for residential, commercial, and industrial needs.

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