

50M HDMI Active Optical Cable - 4K

Product Specifications

Product Type: HDMI Active Optical Cable (AOC)
Cable Length: 50 meters (164 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 50 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: Conference rooms, auditoriums, large venues, 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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