

# 50M HDMI Active Optical Cable - 8K

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## 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 2.1  
Maximum Resolution: 8K at 60Hz (7680 x 4320) or 4K at 120Hz  
Supported Resolutions: 8K, 4K, 1080p, 1080i, 720p, 576p, 480p  
Color Depth: 24-bit, 30-bit, 36-bit, 48-bit deep color  
HDCP Support: HDCP 2.3 and HDCP 2.2 compliant  
Audio Support: Enhanced Audio Return Channel (eARC), DTS-HD, Dolby Atmos, TrueHD  
Bandwidth: Up to 48 Gbps data transfer rate  
3D Support: Full 3D video format support  
HDR Support: HDR10, HDR10+, Dolby Vision, HLG compatible  
Variable Refresh Rate: VRR support for gaming  
Quick Frame Transport: QFT for reduced latency  
Auto Low Latency Mode: ALLM support  
Signal Type: Directional cable (source to display marked on connectors)  
Cable Core: Advanced optical fiber for ultra-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 300mA from source  
Cable Diameter: 5.5mm slim and flexible design  
Cable Material: Premium 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: Ultra-lightweight compared to copper cables  
Application: High-end home theater, gaming, broadcasting, large venues, professional AV  
Advantages: 8K support, no signal loss, lightweight, flexible, immune to interference  
Compliance: CE, FCC, RoHS certified

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## 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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