NEXIS

High-Speed HDMI v2.1 Cable Series

8K@60Hz / 4K@120Hz Ultra HD

Product Overview

The High-Speed HDMI v2.1 Cable Series offers premium performance for ultra-high-definition audio and video delivery. Engineered with robust mechanical design and high-grade copper conductors, these cables deliver uncompressed 48 Gbps bandwidth to support the latest gaming consoles, high-resolution media players, and advanced display setups.

Key Features

- **Ultra-High Resolution:** Supports ultimate resolutions and refresh rates up to 8K@60Hz and 4K@120Hz (4:4:4).
- **48 Gbps Bandwidth:** High-speed data transfer capable of delivering bandwidth-intensive content without compression.
- **Advanced Video Formats:** Fully compatible with Dynamic HDR, 3D, Variable Refresh Rate (VRR), and Auto Low Latency Mode (ALLM).
- **Premium Audio Support:** Supports Enhanced Audio Return Channel (eARC), up to 32 audio channels, and audio sampling rates up to 1536 KHz.
- **Ultra-Low EMI:** Specially designed to minimize Electromagnetic Interference (EMI) with nearby wireless devices.
- **Premium Construction:** Durable build featuring 24k gold-plated connectors, premium tinned copper conductors, aluminum foil + braid shielding, and a stylish cotton sleeve jacket.

Technical Specifications

Specification	NB-8K02M	NB-8K03M	NB-8K05M	NB-8K10M
Performance & Video Capabilities				
Max. Video Resolution	7680 x 4320 @ 60 Hz / 4K @ 120 Hz (4:4:4)			
HDMI Version	HDMI v2.1 (Backward compatible with previous versions)			
Bandwidth	48 Gbps			
Physical Properties				
Cable Length	**2 meters**	**3 meters**	**5 meters**	**10 meters**

Specification	NB-8K02M	NB-8K03M	NB-8K05M	NB-8K10M
Cable Color	Black			
Cable Outer Dimension	6.1 ± 0.15 mm	7.0 ± 0.15 mm	8.0 ± 0.15 mm	8.0 ± 0.15 mm
Conductor Gauge	30 AWG	28 AWG	26 AWG	26 AWG
Conductor Material	Tinned Copper			
Connector Plating	24k Gold Plated			
Connector Type	HDMI (19-pin) Male to Male			
Cable Shield Type	Aluminum Foil + 96 Braid Shielding			
Cable Jacket Type	PVC with Cotton Sleeve			
HDMI Shell / Head	Aluminum Alloy			
Environmental Tolerances				
Operating Temperature	0°C to 50°C			
Operating Humidity	0% to 95% RH (Non-condensing)			
Storage Temperature	-20°C to 70°C			
Storage Humidity	0% to 90% RH			