

HDMI Cable Deep HD500

Description

Wirewerks™ Deep HD500 cables deliver a resolution comparable to the most advanced digital theaters. The Ethernet channel combines audio, HD video, and data through one single cable. It allows for IP based applications and high-speed bi-directional communication over HDMI with a transfer rate of up to 100 Mbps.

The audio return channel, for TV offering that feature, permits an upstream, or downstream (send, or receive) audio.

The Deep HD500 supports the majority of 3D techniques with a resolution of up to 1080p.

This easy to use Wirewerks HDMI cable will help bring to you high-definition and boost your viewing experience.

Features and Benefits

100% shielding coverage of individual twisted pair, braiding and connector shells for an optimum protection against EMI and RFI
In-wall installation certified
24 K gold plated connector
100% factory tested

Bandwidth up to 340 MHz (10.2 Gbps)
Ethernet channel
Audio return channel
3D support
Up to 4K x 2K resolution
More color space

Applications

Mobile phones
Tablet computers
PC & peripherals
PMP digital still cameras
Digital camcorders

Game consoles
AV receivers
Blu-ray players/recorders
DVD players/recorders
HDTVs

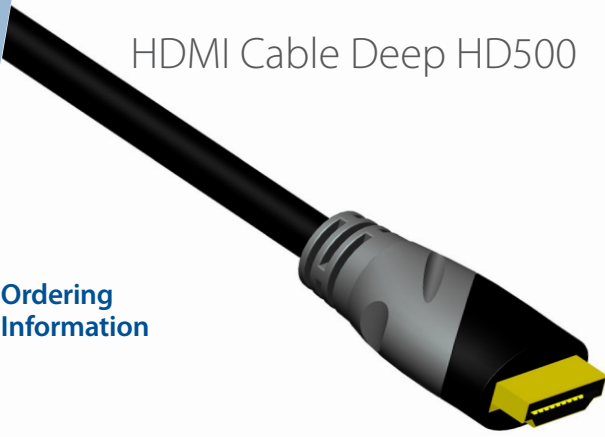
Certification and Compliance

HDMI	Compliance Test Specification (ATC).
CEA-861	DTV Profile for Uncompressed High-Speed Digital Interfaces standard.
UL 758	Appliance Wiring Material (AWM) Style 20276.
CSA C22.2	FT4 Vertical Flame Test – Cables in Cable Tray.
UL 94	Tests for Flammability of Plastic Material for Parts in Devices and Appliances.
ANSI-364	Test Procedures for Electrical Connectors.
UL 13	Type CL3 and CL2, Power-Limited Circuit Cables.
RoHS	Directive on Restriction of Hazardous Substances.



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Ordering Information



Description	Part Number
3 feet	HD500-003
6 feet	HD500-006
10 feet	HD500-010
12 feet	HD500-012
15 feet	HD500-015
25 feet	HD500-025
30 feet	HD500-030
50 feet	HD500-050

Packaging

Description	
Individual poly bag, factory sealed.	

Physical Characteristics

Parameter	Value
Conductor material	Tinned Copper
Conductor size for cable ≤12 feet	30 AWG
Conductor size for cable >12 feet and ≤30 feet	28 AWG
Conductor size for cable >30 feet and ≤50 feet	26 AWG
Insulation material	HDPE
Drain material	Tinned Copper
Braid material & coverage	Aluminum 100% coverage + 25% overlap
Jacket	CL3/FT4 rated
Cable style	UL AWM 20276
Connector shielding	Copper adhesive foil 360° coverage
Connector type	HDMI 19 pin Type A male
Connector shell	24 K gold plated
Contacts	Gold plated 3U"

Mechanical Characteristics

Parameter	Value
Pulling force	110 N (25 lbf)
Temperature range	-20° C (-4° F) ~ 85° C (185° F)

Electrical Characteristics

Parameter	Value
Conductor resistance at 20° C (68° F)	30 AWG: 376.96 Ω/km 28 AWG: 237.25 Ω/km 26 AWG: 148.94 Ω/km
Insulation resistance at 20° C (68° F) 500 V DC	10 MΩ minimum (mated)
Contact resistance	2.0 Ω maximum
Dielectric strength	500 V AC/1 minute, no breakdown

Electrical Performance

Parameter	Value
Impedance of shielded pairs	100±10 Ω
Propagation delay skew	Intra pair: 111 ps/cable maximum Inter pair: 1.78 ns/cable maximum
Attenuation	5 dB/2.5 m: 0.30~825 MHz 12 dB/2.5 m: 825~2475 MHz 20 dB/2.5 m: 2475~4125 MHz 25 dB/2.5 m: 4125~5100 MHz
FEXT	20 dB/cable at 1~5000 MHz maximum