HILLS™ Antenna

Hills Antenna
HDMI Premium Certified Leads
4K@60Hz 4:4:4 18Gbps

The Premium HDMI Cable Certification Program™ encompasses additional and enhanced cable testing as well as an authentication and verification program for High Speed HDMI Cables.

Cables are tested to ensure they support the full 18Gbps bandwidth from the HDMI 2.0b specification with an EMI test to ensure cables minimize interference with wireless signals.

The program is designed to give end users confidence when purchasing new HDMI cables for their 4K/UltraHD products that may include features such as 4K@60Hz, BT.2020 and HDR.

Refer to the Hills HDMI Lead packaging for the unique anti-counterfeiting authentication label.

All the Hills Antenna HDMI Leads are tested to 4K@60Hz 4:4:4 18Gbps.

Part Numbers:
1m Flat Lead - 06HDF1
1.8m Flat Lead - 06HDF1.8
3m Flat Lead - 06HDF3
5m Flat Lead - 06HDF5
1.8m Right Angle Plug - 06HDRAS1.8
.5m - 06HD500
1m - BC85138
2m - BC85127#
3m - BC85128#
5m - BC85129#
10m - BC85130
# Denotes Premium Certified Leads

Also Available for longer lengths
AOC (Active Optical Cable)
10m - 06HDAOC10
15m - 06HDAOC15
20m - 06HDAOC20
30m - 06HDAOC30
50m - 06HDAOC50
Refer separate Product Information Sheet for further information.

Construction		Application Specifications				
Primary Conductor	Solid 30-24AWG OFC, length dependent	Model	06HDF1/06HDF1.8/06HDF3/06HDF5/06HDRAS1.8/ 06HD500/BC85138/BC85127/BC85128/BC85129/BC85130			
Insulation						
TMDS	HD-PE(Foam PE)≤1.7 relative permittivity	Wire Specification	30AWG / 28+30AWG / 26+28AWG / 24+28AWG			
4C+HEAC Pairs	LD-PE≤2.0 relative permittivity					
Shielding		Resolution 4K/UHD	3840x2160@60Hz 3840x2160@50Hz	8-channel LPCM, 192kHz, 24bit audio capability	✓	
TMDS Pairs	Al-foil braid 25% overlap					
Overall	Al-foil braid 85% coverage					
Cable Jacket	UL & RoHS certified PVC	Bandwidth	18.0Gbit/s	Blu-ray Disc and HD DVD video and audio at full HD	✓	
HDMI Connector Shell	Copper shell with 1µ24K gold plated	TMDS Clock	600MHz	Super Audio CD	✓	
HDMI Connector Pins	Solid OFC, 2µ 24K gold plated	Colour Depth	YCbCr4:4:4	Auto lip-sync	✓	
Termination	Lead-free soldering		YCbCr4:2:2			
HDMI Back shell	Plastic injection		YCbCr4:2:0			
Mechanical		CEC	✓	2 Video Streams (Dual View)	✓	
Cable Diameter	30AWG: 6.0mm, 28+30AWG: 7.3mm, 26+28AWG: 8.0mm, 24+28AWG: 9.0mm	DVD-Audio	✓	3D Video	✓	
		SACD	✓	Ethernet Channel	✓	
Retention Force (nom)	9.9N(1kg/2.2lbs)+10-5%	SMPTE 170M	✓	Audio Return Channel (ARC)	✓	
Applications		ITU-R BT.601	✓	32 Channel Audio	✓	
General high reliability HDMI connectivity, 4K/60HZ 4:4:4 support to 10m		ITU-R BT.709	✓	1536kHz total	✓	
Residential		xvYCC	✓	4 Audio Streams	✓	
Rack & AV cupboard		sYCC601,Adobe RGB, Adobe YCC601	✓	Dolby TrueHD/DTS-HD Master Audio bitstream capable	✓	
Corporate & Board Room,		Hybrid Log-Gamma (HLG)	✓	21:9 aspect ratio	✓	
Education		Static HDR (HDR Static metadata)	✓	4K resolution at 60Hz	✓	

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