

**premium  
line**

**USB 3.0 Cable Assembly**



- 5Gbps data rate
- Fast Sync-N-Go
  - Minimizes User Wait-time
  - Download 27 GB HD movie in 60-70 sec
- Optimized Power Efficiency
  - No device polling
  - Lower active & idle power requirements
- Backward compatible with USB 2.0
  - Devices interoperate with USB 2.0 platforms
  - Hosts support USB 2.0 legacy devices

Connector Type	AM-AM	AM-BM	Micro A -BM	Micro A -Micro B	AM-Micro B
Conductor AWG	28AWG/30AWG				
Length	28AWG: Length ≤ 3m 30AWG: Length ≤ 1.5m				
Insulation Resistance at 20°C	Min.100Mega Ohms/Km				
DF Impedance	90 Ohms±7%				
	NEXT(USB3.0 to USB3.0)				
	0.1~2.5 GHz		-27dB/Max		
	2.5~3.0 GHz		-28dB to -23dB/Max		
	3.0~7.5 GHz		-23dB/Max		



**HDMI HIGH SPEED  
& USB 3.0 PRODUCTS**

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Permium-Line Systems GmbH



**(A Male Plug to D Male Plug)**



Type D connector: designed for cell phones, pocket cameras, and other portable devices where space is at a premium. This D type connector is approximately 50% smaller than the size of the existing HDMI Mini Connector. with/without Ethernet Channel

**HDMI High Speed Flat Cable**

**(A Male Plug to A Male Plug)**



- Unique design allows the Flat HDMI cable to run down cavity walls with ease.  
 - Each individual inner wire is organized differently to reduce crosstalk between the wires which produces a cleaner signal than round HDMI cables.

**HDMI High Speed Swivel Cable**

**(A Male Plug to A Male Plug)**



-Flexible, can rotate freely.  
 -Avoid cable bending, small size. Applicable to interface in any positions.

**HDMI Adapter**



HDMI 1.4 is ratified and designed for high speed and high quality digital image display, to present amazing video world ever than before. It supports standard, enhanced, or high-definition video, plus multi-channel digital audio with 10.2 Gbps of bandwidth. HDMI 1.4 is backward compatible with HDMI 1.3, incorporating the Digital Visual Interface standard. Now with the new technique - HEC built in, it is upgrade to a medium of linking your media devices together and make mutual share available through a single cord. It's time to active you digital world!

**HDMI High Speed Cable Features**

- HDMI Ethernet Channel (HEC)
  - Interconnection Medium for Multi-Media Devices LAN Communication & Internet Surfing
  - Up to 100Mbps Transmission Speed
- Audio Return Channel (ARC)
  - Available for Direct Audio Signal Transmission to Amplifier, No Need Relay or Codec for Audio Signals
- 4K Technology
  - 4096 x 2160 @ 24Hz High Resolution With Wider Screen Display, 4 Times Size of 1080P
- More Colorful Virtual Image Display
  - sYCC601、Adobe RGB、AdobeYCC601 Color Systems Built In, Present Lively Pictures to Your Eyes

**HDMI High Speed Cable Assembly**

**(A Male Plug to A Male Plug)**



Type A Connector: The most commonly used HDMI connector for home applications. with/without Ethernet Channel  
 28/30/32/34/36/40 AWG are all available. Other boots type upon request

**(A Male Plug to C Male Plug)**



HDMI High Speed Cable Assembly, A Male Plug to C Male Plug  
 Type C(Mini) Connector: More compact connector of camcorder and other mobile devices. with/without Ethernet Channel  
 36/40 AWG are all available.

Other specifications can be assessed in accordance with actual requirements of customers.