

## STANDARD / HIGH SPEED HDMI CABLE [NO ETHERNET]

### GROUP A:

Pin 1: TMDS Data2 +  
 Pin 2: TMDS Data2 Shield (Drain)  
 Pin 3: TMDS Data2 -

### GROUP B:

Pin 4: TMDS Data1 +  
 Pin 5: TMDS Data1 Shield (Drain)  
 Pin 6: TMDS Data1 -

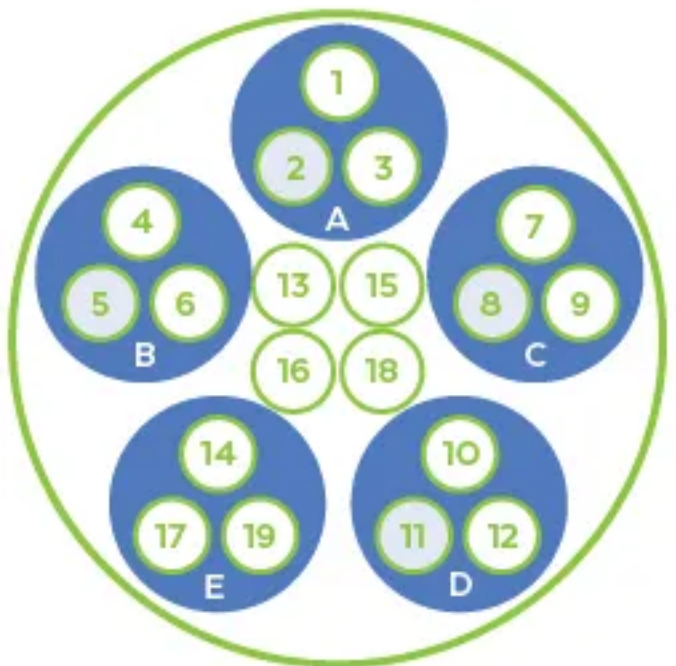
### GROUP C:

Pin 7: TMDS Data0 +  
 Pin 8: TMDS Data0 Shield (Drain)  
 Pin 9: TMDS Data0 -

### GROUP D:

Pin 10: TMDS Clock +  
 Pin 11: TMDS Clock Shield (Drain)  
 Pin 12: TMDS Clock -

Pin 13: CEC  
 Pin 14: Reserved for future use  
 Pin 15: SCL  
 Pin 16: SDA  
 Pin 17: DDC/CEC Ground  
 Pin 18: +5V Power  
 Pin 19: HPD (Hot Plug Detected)



## STANDARD / HIGH SPEED HDMI CABLE [WITH ETHERNET]

### GROUP A:

Pin 1: TMDS Data2 +  
 Pin 2: TMDS Data2 Shield (Drain)  
 Pin 3: TMDS Data2 -

### GROUP B:

Pin 4: TMDS Data1 +  
 Pin 5: TMDS Data1 Shield (Drain)  
 Pin 6: TMDS Data1 -

### GROUP C:

Pin 7: TMDS Data0 +  
 Pin 8: TMDS Data0 Shield (Drain)  
 Pin 9: TMDS Data0 -

### GROUP D:

Pin 10: TMDS Clock +  
 Pin 11: TMDS Clock Shield (Drain)  
 Pin 12: TMDS Clock -

### GROUP E:

Pin 14: CEC  
 Pin 17: Utility/HEAC +  
 Pin 19: SCL  
 Pin 13: SDA  
 Pin 15: DDC/CEC/HEAC Shield  
 Pin 16: +5V Power  
 Pin 18: HPD (Hot Plug Detected)

## DEFINITIONS

**TMDS:** High-speed serial data used by DVI and HDMI

**CEC:** Consumer Electronics Control (CEC) allows command and control of devices using one remote control

**SCL:** DDC Clock

**SDA:** DDC Data

**HEAC:** HDMI Ethernet and Audio Return Channel (HEAC) is a high-speed data communication link (HEC) that travels in 2 directions and sends audio data upstream to the source device (ARC).