

Cisco High-Definition Multimedia Interface (HDMI) Cable

The Cisco® High-Definition Multimedia Interface (HDMI™) cable provides excellent uncompressed digital video and audio in a simple, user-friendly connector. HDMI is the standard digital audio and video interface for high-definition audio-visual (A/V) applications.

HDMI, combined with High-Bandwidth Digital Content Protection (HDCP), provides a secure connection to an HDTV that supports the HDMI interface. The Cisco HDMI cable is certified and is fully backward compatible with the Digital Visual Interface (DVI) v1.0 video interfaces present on earlier versions of HDTVs.

With an HDMI cable, subscribers eliminate the need for both an audio and a video cable. HDMI combines high-definition video and multi-channel audio in a single, all-digital interface, with bandwidth of up to 10 Gigabits-per-second. HDMI transmits all ATSC HDTV standards and supports 8-channel digital audio with bandwidth available to accommodate future enhancements and requirements.

The Cisco HDMI cable provides an interface between any HDMI-enabled A/V source, such as a Cisco set-top, Blu-ray DVD player, or personal computer, and any digital video display device such as a monitor, LCD panel, plasma display, or projector.

The Cisco HDMI cable is HDMI licensed and has successfully passed Authorized Testing Center (ATC) compliance testing in accordance with the HDMI Compliance Test Specification, (category 2 High Speed HDMI®/™ Cable) at an HDMI ATC.

Figure 1. High Definition Multimedia Interface (HDMI) Cable



Note: Image may vary from actual product and specification.

Features

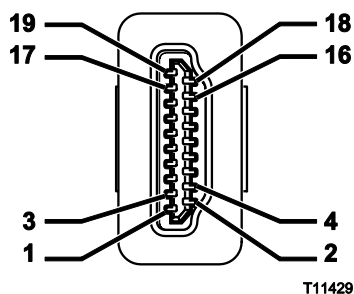
- Offers an HDMI®/™ Connector— specifically designed for use with set-tops, HDTVs, LCD/Plasma displays, stereo receivers, projectors, and so forth
- Supports digital displays and consumer electronics controls (CEC)-capable devices
- Ensures long-term, high-quality connections by using gold-plated phosphor-bronze contacts

- Provides subscribers with flexibility of placement for their set-top or other HD devices by taking advantage of the cable's 10 ft (3 m) length (part number 1002048) or the 6 ft (1.8 m) length (part number 1011540).
- Provides excellent corrosion resistance compared to tin-plated connectors or nickel-plated connectors
- Supports HDCP
- Complies with HDMI standards – tested and approved by HDMI ATC
- Supports 3D, 4K, Content Type, Deep Color and x.v. Color
- Provides direct connections – connects HDMI input to HDMI outputs
- Operates within FCC Class B limit specifications

Notes:

Does not support analog or Dual-link connections.

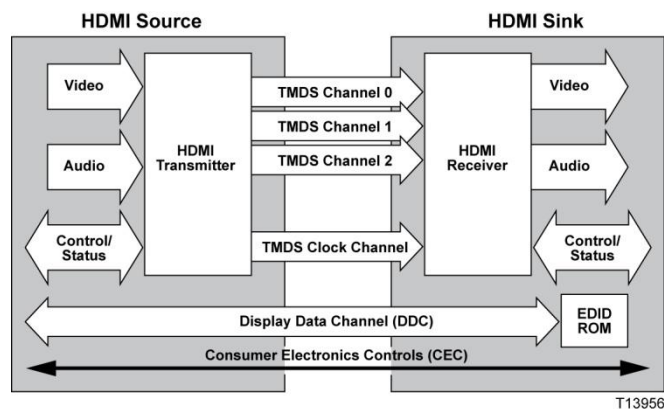
Does not support HDMI Ethernet Channel and Audio Return Channel

**END VIEW OF HDMI CONNECTOR**

PIN	SIGNAL	PIN	SIGNAL
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data1-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

Specifications

Specification	Value
Cable Length	1.8 m and 3 m (6 ft and 10 ft)
Cable Diameter	7.0 mm nominal
Contact Material	Phosphor Bronze
Overmold	Black PVC
Cable Shield	Heatproof PVC
No. Wires	19 conductor
No. Pins	19 pins
Wire	UL20276 Style
Contact Resistance	30 Milliohms (maximum) initial
Operating Temperature	32° to 158°F (0° to 70°C) during operation

HDMI DATA FLOW BLOCK DIAGRAM



Ordering Information

Table 1. HDMI Cable Ordering Information




Description	Product Photo	Part Number
High Speed HDMI®/™ Cable	 Image may vary from actual product and specification.	1002048 (10 ft = 3 m) 1011540 (6 ft =1.8 m)

Table 2. Additional Components Ordering Information

Description	Product Photo	Part Number
HDMI-to-DVI Cable (for use in connecting the HDMI port on the set-top to older DVI-equipped HDTVs)		1002056
Spare YPbPr and Audio Left/Right Cable Kit (10 ft)		1000944



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