

Philips Gold Cables

HDMI “Certified”

All Gold cables/products are tested and approved to the HDMI standard of performance. We adhere to the most current HDMI Standard specifications and are Simplay certified.

Category 2 rating

All Gold series cables are category 2 rated for the highest performance.

Metal Signal Shield

Metal shields the signal from outside interference better than plastic while maintaining the impedance required for the cable to perform at high speed. This style of connector helps to provide higher performance by keeping the connecting wires shorter and properly in place.

Hermetic Sealed Connector

The Hermetic sealing protects the wires and holds them in alignment while maintaining the critical impedance of the cable. This also prevents moisture from oxidizing the bare copper wires that would be exposed to air and moisture in the air.

Molded Strain Relief

The molded strain relief secures the jacket and cable to the connector virtually making the cable one piece providing a strong, reliable, long lasting cable connector.

Protective PVC Jacket

The clear protective jacket provides a cosmetically pleasing strong & flexible exterior.

Gold Plated Connector Contacts

Pure 24K Gold is the preferred material for connectors as it is an excellent conductor and highly resistant to oxidization ensuring a reliable connection.

Triple Shielding

The cable has two outer shields of 110% foil and 90% braid and individual inner “STP” Shielded twisted pair construction to shield the signals from outside interference.

HDMI™ Gold Cable

- 1,080 Lines of resolution output
- Category 2 rated for the highest performance
- Metal signal shield
- Molded strain relief
- 24K gold connector contacts
- Triple shielding

SWV3432W/27 - 6ft HDMI cable

SWV3431W/27 - 3ft HDMI cable

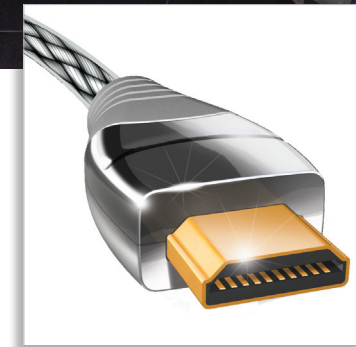


HDMI™ Core Cable

- Standard HDMI cable for the cost-conscious consumer
- Clear product visuals for easy connector reference and uses
- Clear product descriptions focus on product applications and ease-of-use
- Easy grip connector

SWV2431W/27 - 3ft HDMI cable

SWV2432W/27 - 6ft HDMI cable



HDMI Cabling basics

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PHILIPS

An HDMI cable is nothing more than a conduit between two pieces of High Definition Hardware, albeit an LCD or Plasma TV and/or a High-Def cable or satellite box and/or a High-Def DVD player. HDMI cables have evolved through a series of iterations resulting in the latest 1.3 a/b specification.

HDMI 1.3 a/b, Quick Training

What is HDMI 1.3 a/b?

HDMI 1.3 a/b is an evolving standard that changes to meet the needs of the market. HDMI 1.3 a/b has capacity to spare, and can incorporate new technology advancements and capabilities long into the foreseeable future.

What new features do we get from HDMI 1.3 a/b?

Higher Speed 340MHz, double the Bandwidth, Deep Color™, HD “Lossless” Audio™, CEC (Consumer Electronic Control) and Lip Sync correction.

What products or applications take advantage of HDMI 1.3 a/b capabilities?

Blu-ray, PS3, HDTV, Hi-Def camcorder and some new PC applications.

Why is HDMI 1.3 a/b so popular?

HDMI 1.3 a/b, High-Definition Multimedia Interface is the first and only A/V (or audio/video) industry supported, uncompressed, all-digital audio/video interface.

HDMI 1.3a, Some clarity

What specifically does HDMI 1.3 a/b add to the 1.2 spec in terms of AV format support?

HDMI 1.3 a/b can support new formats and capabilities in both audio and video. It increases its single-link bandwidth from 165MHz (4.95 gigabits per second) to 340 MHz (10.2 Gbps). With this increased bandwidth capability, HDMI 1.3 a/b supports the demands of future high definition display devices, such as higher resolutions, high frame rates and Deep Color™.

What about new audio formats?

In terms of audio, HDMI 1.3 a/b adds additional support for new, Lossless Audio™ compressed digital audio formats Dolby® TrueHD and DTS-HD Master Audio™ which provide up to 8 channels of lossless surround sound. This gives users the highest quality audio experience – the same as in the movie theater.

What about categories?

There are two versions of HDMI 1.3 a/b, Category 1 & 2. Category 1 cables have been tested to perform at speeds of 75MHz, the equivalent of 1080i. Category 2 cables perform at 340MHz, the highest bandwidth currently available over an HDMI cable. They can easily handle a 1080p signal, including increased color depths and increased refresh rates.

How long can you go?

Using 28 AWG, a cable of 16 feet can be readily manufactured to Category 1 specifications. Higher quality construction of 24 AWG (with tighter construction tolerances, etc.) allow lengths of 40 to 50 feet and Category 2 performance. In addition, cables using fiber optic or dual Cat 5 cables instead of copper, usually in commercial applications can be used to extend the length to 300 feet or more, at greatly increased expense.

HDMI 1.3 a/b, Glossary

Higher speed: HDMI 1.3 a/b increases its single-link bandwidth over 200% to 10.2 Gbps to support the demands of Deep Color™, future higher resolution display devices, and high frame rates. In addition, built into the HDMI 1.3 a/b specification is the technical foundation that will let future versions of HDMI reach significantly higher speeds.

Higher Resolution

HDMI 1080p provides over 450% the resolution of 480p, and over 225% the resolution of 720p HDTV for greater detail and larger display sizes.

Higher Refresh Rates

We are increasingly seeing demand for display panels with a faster 90Hz (up to 120HZ) refresh rate. This trend will continue, as faster refresh rates create smoother motion and less blurring. This will have a significant impact on the gaming market. We will see improved motion sequences and faster response times.

Deep Color™

HDMI 1.3 a/b supports 30-bit, 36-bit and 48-bit color depths, up from 24-bit depths in previous versions of the HDMI specification.

- HDTVs and other displays go from millions of colors to billions of colors.
- Eliminates on-screen color banding, for smooth tonal transitions & subtle gradations between colors.
- Enables increased contrast ratio.
- Can represent as many as eight times more shades of gray between black and white.

New Lossless Audio™ formats

In addition to HDMI's current ability to support high-bandwidth uncompressed digital audio and compressed formats (Dolby® Digital and DTS), HDMI 1.3 a/b adds additional support for new, lossless compressed digital audio formats Dolby® TrueHD and DTS-HD Master Audio™ for theater-like professional sound quality.

Lip Sync

Incorporates auto AV synchronization to correct an inherent flaw in earlier versions of HDMI.