

High Speed HDMI® Cable with Ethernet, Ultra High Definition

High-quality HDMI® cable meant to connect any electronic device to the TV (TV receiver, laptop computer, console, etc.) and enjoy high-definition contents (HDTV).

Ref.	494503
Logical ref.	HDK500
EAN13	8424450146026

Other features	
Colour	Black
Length	5.00 m

Packaging info	
Blister	1 pcs.
Box	10 pcs.

Physical data	
Net weight	320.00 g
Gross volume	2.50 dm³
Gross weight	320.00 g
Width	19.00 mm
Height	5,094.00 mm
Depth	11.00 mm
Main product weight	185.00 g

Highlights

- **4K UHD** compatible (Ultra High Definition)
- Built with stranded copper conductors
- **Exceptional shielding**: general shielding with aluminium/copper braid, and aluminium-laminated foil on each pair
- **"HDMI® Licensing LLC" certified**, Televes being a licensee
- Available in different lengths
- Male-male connection
- Black PVC cover (indoor)
- Twisted pairs

- HDMI® Connector with gold plating
- 19-pin cabling
- Equipped with plastic protection to avoid connector damage when disconnected

Discover

HDMI® Cables: The importance of a high quality.

Unlike SCART analog cables, HDMI® are data cables which carry digital signals between generators (BluRay, PC, DDT or SAT HD Receivers, etc.) and TVs through its different conductors.

Just the fact of using the HDMI® acronym involves complying with a list of technical specifications; therefore It will be wrong to compare it just by its connection schematics. This lack of information added to the fact that the HDMI® is a domestic cable are the main reasons that facilitate unsound HDMI® cables abounding the market.

A customer that buys an HDMI® cable must be aware that:

Despite the existance of HDMI® quality requirements, there is not any guidelines in Europe to exclude those cables which do not comply with the standards. For that reason, the quality will only be assured if it is supported by both certification and contrasted quality, as offered by Televés.

What makes the difference in an HDMI® cable?

The type of material and method of manufacturing are what make a difference in the cable quality, especially on the conductor and coating. Let's dig into some aspects that may help evaluate the quality of a HDMI® cable:

Conductor:

- HDMI® standards indicate that the conductor shall be multiwired. This type of conductor guarantee the compliance with the electrical tests but also ensures the cable's flexibility: installation in narrow spaces is likely. Many of the nowadays available cables in the market use conductors with only one central wire, thus achieving a significant cost saving but a significant reduction in performance.
- Moreover, it is common to find conductors made of copper-plated steel instead of copper itself, or any other composition metal of lower costs and worse performance that do not pass any attenuation or jitter tests.
- The number of wiring conductors should be 19, since it's the number of pins required by the standard. There are manufacturers that, taking advantage of the non usage of some of these pins, produce cables with only 15 conductors thus limiting its use for future applications.
- Every conductor should be supplied twisted and with a shelding mesh. As any data cable, these two aspects prevent from issues like crosstalk or signal coupling between pairs. With no shielding in the cable, the facility to which cable belongs would not meet the EC Directive, therefore It is not recommended to distribute any cables of this kind in Europe.

Coating:

- One of the most important aspects in the quality evaluation of a cables' coating is the RoHS directive. Non compliance of this directive would mean that the cable is contaminant and therefore, harmful.
- The presence of excessive wrinkles and folds increases the risk of rupture of the protective coating so it will be easier to weaken the cables' features.

Why choose a Televés HDMI® cable?

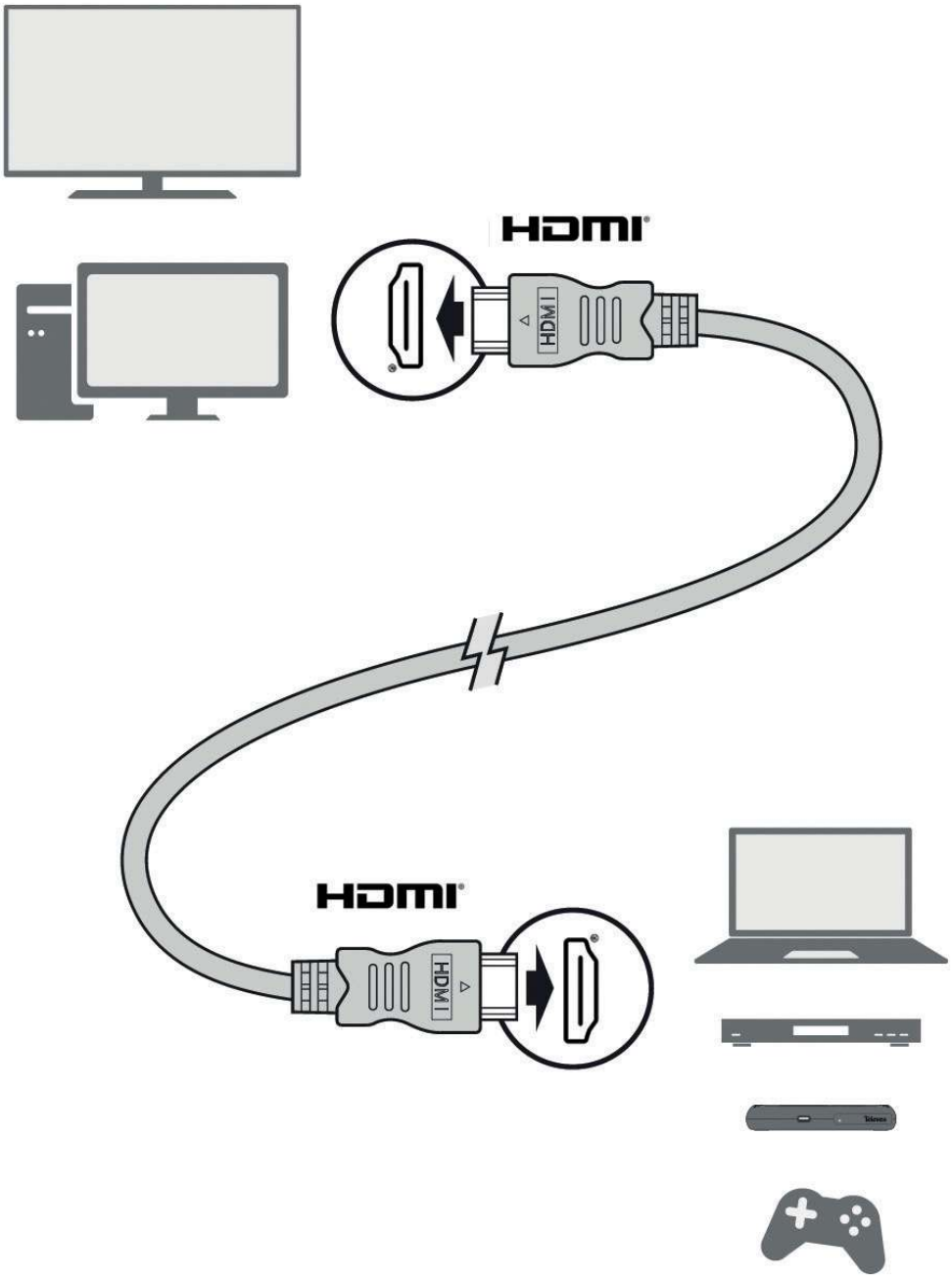
Every Televés' HDMI® cable has high technical and physical characteristics which ensure its performance according to the standards. Moreover, as a licensee firm, Televés is aware of the signed agreements with “HDMI® Licensing LLC”.

Considerations

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Application example

HDMI® extender.


HDMI
HDMI
HDMI
HDMI

Technical specifications : Ref. 494503

Cable length	m	5
Connector type 1		HDMI® Connector
Connector type 2		HDMI® Connector
Resolution		4K - UHD
Screen resolution: Height	pixel	2160
Screen resolution: Width	pixel	4096
Transfer rate		18Gbps
Maximum refresh rate 1080p	Hz	120
Maximum refresh rate 1080p 3D	Hz	120
Maximum refresh rate 4K -UHD	Hz	60
HDR		Yes
HDCP		Yes
Ethernet		Yes
Maximum Ethernet rate	Mbps	100
Audio format		ARC
Number of audio channels		32.0000
Overlapped foil		Aluminium
Braid Material		Aluminium
Conductor type AWG		28
Outer sheath Material		PVC
Outer sheath Diameter	in	0.287
Color		Black
Impedance	Ω	10