KÁCSA[®] AUDIÓ SINCE \cdot **1995** \cdot ALAPÍTVA Instruction for **HDMI** Cable DIY Assembling Version 3.12 Nov 25, 2009 KáCsa Audió Kft. H-1149 Budapest Fogarasi út 19. http://www.kacsa-audio.hu kacsa@kacsa-audio.hu Patented connector and hand tool, all rights reserved.

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Preparation

- (1) Specially designed and manufactured DIY DHMI 1.4 cable, 24 or 26 AWC
- (2) DIY HDMI connectors with plastic holders and metal shells
- (3) a hand tool, with a guiding jig

(2)

- (4) a knife or any other stripping tool, a side cutter and a screw driver
- (5) an optional portable tester or multi-meter

(3)

AWG	Maximum length for DVD- TV connection @1080p					
26	20 meters					
24	30 meters					

The above maximum lengths apply for the most occasions of DVD to TV or projector real connection, but this is not always the case due to the poor interoperability between different brands of TV and DVD, a booster will be a solution in such a case.



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STEP 1: Strip Cable

Strip cable jacket. Cut out braiding and Aluminum foil, only keep drain wire

Strip the Aluminum foil of 5 Twisted Pairs (TP) per illustrated dimensions

Among 5 TPs, four with blue foil are for TMDS data, and one with silver foil is for Ethernet and Audio Return Channel (HEAC). It is important to keep the foil length of HEAC pair 6mm for easy installation in the following steps.

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(2)

X





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Tips for step 1:

S You can use a knife to strip the cable jacket, even if you don't have a professional stripping tool

Rotate the



For easy operation, untwist 5 Twisted Pairs first, and then strip the aluminum foil with a knife





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STEP 2: Insert Wires

- Arrange the wires for 10-hole holder per the pin assignment in the next (1)page.
- Cut the wires at an angle for easy insertion (2)
- (3)
 - Insert the wires into 10-hole holder in one step. You can divide 10 wires into two groups and insert them in two steps before you are skillful.
- Arrange the wires for 9-hole holder and insert the wires into the holder. (4)
- It is very **IMPORTANT** to keep two holders in alignment. (5)



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										18
KÁCSI	wires	Twisted Pair with red wire		Twisted Pair with green wire			Vallow	Orange	Red	
SINCE 19		Drain	Red	white	Drain	Green	White	Tenow	orange	i T

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SINCE-1995-ALAPÍTVA STEP 3: Compress

- (1) Install a connector into the guiding jig (the black piece)
- (2) Install and press the holders into the guiding jig.
 - The 10-hole blue holder is for 10-pin side of HDMI connector and the 9-hole green holder for 9-pin side.
 - Press two holders with thumb until they lock with the connector
- (3) Insert the assembly into the hand tool
- (4) Compress the tool
- (5) Finished Excessive wires are cut out automatically.













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STEP 4: Install Shell

- (1) Put the connector into the bottom half of the die-cast metal shell.
 - It is a good method to test the cable before shell installation.
- (2) Install the metal belt to fasten the cable onto the metal shell. Make sure the drain wire be under the metal belt for grounding.
- (3) Install the upper half and two screws to finish the whole





- or
- § Test it with a portable HDMI cable continuity tester.

This is a very simple device only for open-circuit test and **the mis-wiring and short-circuit is beyond this tester**. Eyeballing check is much more helpful for mis-wiring troubleshooting. Anyway it is helpful for an installation beginner.





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