

HD2002 Composite - HDMI Assembly



For more Information
please call

1-800-Belden1

**Description:**

2 Meter HDMI Assembly. HDMI Composite Cable - 4 pairs (26 AWG stranded (7x34) bare copper conductors, foam polyolefin insulation, individual Beldfoil® shield (100% coverage) with drain wire; 7 conductors (26 AWG stranded (7x34) tinned copper conductors, polyolefin insulation); overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (75% coverage) with drain wire, FR-PVC jacket.

Usage (Overall)

Suitable Applications: HDMI Interfaces

Twisted Pair**Physical Characteristics****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
4	26	7x34	BC - Bare Copper	0.019

Insulation**Insulation Material:**

Insulation Material
Foamed Polyolefin

Individual Shield

Individual Shield Material: Aluminum Foil-Polyester Tape

Individual Shield Drain Wire:

AWG	Stranding	Conductor Material
26	7x34	TC - Tinned Copper

Electrical Characteristics**Nom. Characteristic Impedance:**

Description	Impedance (Ohm)	Tolerance
Shield Pairs	100	± 10

Nominal Delay:

Description
Between Pairs
Between Conductors of Pairs

Nominal Delay Skew:

Description	Delay Skew (ps/ft)
Between Pairs	6.87
Between Conductors of Pair	3.14

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 19.300 Ohm/1000 ft

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.900

Nominal FEXT:

Description	FEXT
1 MHz - 5.1 GHz	-26.7 dB

Nom. Attenuation:

Description	Freq. (MHz)	Attenuation (MHz)
@ 25°C of Clock and Data pairs	825.000	-0.5 dB/ft
@ 25°C of Clock and Data pairs (Freq. in GHz)	2.475	-1.9 dB/ft
@ 25°C of Clock and Data pairs (Freq. in GHz)	4.125	-2.3 dB/ft
@ 25°C of Clock and Data pairs (Freq. in GHz)	5.100	-3.0 dB/ft

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
7	26	7x34	TC - Tinned Copper	0.019

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Individual Shield

Electrical Characteristics

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
37.300

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
per Conductor @25°C (24 AWG)	1.6 Amps

Physical Characteristics (Overall)

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	75.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	7x34	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
F-R PVC - Flame Retardant Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.323 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Max. Recommended Pulling Tension: 99 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

HD2002 Composite - HDMI Assembly

CEC/C(UL) Specification:	CM
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/21/2008
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1581 Vertical Tray
Other Flame Test:	720P/1080i Verified (Category 1), 1080P Verified (Category 2)

Plenum/Non-Plenum

Plenum (Y/N):	No
----------------------	----

Related Documents:

[HDMI.pdf](#) - HDMI document

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HD2002 010B5	5 EA	15.000 LB	BLACK		2 METER HDMI ASSEMBLY-BOX OF 5

Revision Number: 0 Revision Date: 10-14-2009

© 2012 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.