

## HD2004 Composite - HDMI Assembly



For more Information  
please call

1-800-Belden1

**Description:**

4 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
@ 25°C of Clock and Data pairs (Freq. in GHz)	2.475	-1.9 dB
@ 25°C of Clock and Data pairs (Freq. in GHz)	4.125	-2.3 dB
@ 25°C of Clock and Data pairs (Freq. in GHz)	5.100	-3.0 dB

## 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 &amp; Environmental Programs

NEC/(UL) Specification: CL2, CM

## HD2004 Composite - HDMI Assembly

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

**Flame Test**

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

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
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**Related Documents:**

[HDMI.pdf](#) - HDMI document

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HD2004 010B5	5 EA	27.500 LB	BLACK		4 METER HDMI ASSEMBLY-BOX OF 5

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