

HD2003 Composite - HDMI Assembly



For more Information
please call

1-800-Belden1

**Description:**

3 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

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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
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Related Documents:
[HDMI.pdf](#) - HDMI document
Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HD2003 010B5	5 EA	21.250 LB	BLACK		3 METER HDMI ASSEMBLY-BOX OF 5

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