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1-800-Belden1



## General 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. (mm)
4	26	7x34	BC - Bare Copper	0.483

#### 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/m)
Between Pairs	6.87
Between Conductors of Pair	3.14

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:

63.323 Ohm/km

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.077

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. (mm)
7	26	7x34	TC - Tinned Copper	0.483

## Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

## Individual Shield

## Electrical Characteristics

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
122.381

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: 8.204 mm

## Mechanical Characteristics (Overall)

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

Max. Recommended Pulling Tension: 440.372 N

Min. Bend Radius/Minor Axis: 82.550 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: CL2, CM

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 &amp; Cable): Yes

MIL Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1581 Vertical Tray

## Plenum/Non-Plenum

Plenum (Y/N): No



HD2004 Composite - HDMI Assembly

Electrical Characteristics (Overall)

Other Electrical Characteristic 1: 720P/1080i Verified (Category 1), 1080P Verified (Category 2)

Related Documents:

[HDMI.pdf](#) - HDMI document

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HD2004 010S1	1 EA	1.100 EA	BLACK		4 METER HDMI ASSEMBLY

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