

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 |
|----------------------|----|

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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