I. **Description**

HDMI Composite Cable – Four patented 23.5AWG (solid) bonded pairs are individually shielded for Clock & Data. Seven 24AWG (solid) conductors for control applications. Overall foil and braid shields. Overall Flame Retardant PVC jacket.

II. **Electrical Characteristics**

- **Maximum Operating Voltage:** 300V RMS
- **Nom. Conductor DC Resistance @ 25°C of 23.5/24AWG Conductors:** 24.0 Ω/1000' 
- **Nom. Shield DC Resistance @ 25°C:**
  - Individual Shields: 15.0 Ω/1000'
  - Overall Shield: 1.75 Ω/1000'
- **Capacitance between Conductors of Shielded Pairs:** 15.3 pF/ft nominal
- **Nominal Impedance of Shielded Pairs:** 100 +/- 10 Ω (TDR)
- **Nominal Return Loss of Shielded Pairs:** -15dB, 1-1200 MHz
- **Nom. Delay Skew Between Conductors of Pair (TDR):** 2.0 ps/ft (Estimated)
- **Nominal Attenuation @ 25°C of Clock & Data pairs:**
  - - 6.0 dB/100’ @ 100 MHz -34 dB/100’ @ 2.1 GHz*
  - - 8.3 dB/100’ @ 200 MHz -38 dB/100’ @ 2.475 GHz*
  - -13.5 dB/100’ @ 400 MHz -42 dB/100’ @ 3 GHz*
  - -15.1 dB/100’ @ 500 MHz -45 dB/100’ @ 3.25 GHz*
  - -16.9 dB/100’ @ 600 MHz -47 dB/100’ @ 3.5 GHz*
  - -19.8 dB/100’ @ 825 MHz -48 dB/100’ @ 4.0 GHz*
  - -21.2 dB/100’ @ 1.0 GHz -50 dB/100’ @ 4.125 GHz*
  - -24.1 dB/100’ @ 1.2 GHz -54 dB/100’ @ 5.1 GHz*
  - -30 dB/100’ @ 1.6 GHz*
  - -32 dB/100’ @ 1.9 GHz*  
  *estimated
- **Far End Cross Talk (FEXT):** -35 dB 1MHz - 5.1 GHz (Estimated)

III. **Physical Characteristics**

- **Bonded, Shielded High-Speed Pairs (4):**
  - **Conductor Material & Diameter:** 23.5AWG (solid) Bare Copper,.022” nominal
  - **Insulation Material & Diameter:** Polyolefin, .074” nominal
  - **Shield Material & % Coverage:** Al/Polyester tapes w/ 24AWG (solid) TC Drain wires
  - **Color Code:** Orange & White/Orange, Brown & White/Brown, Green & White/Green, Blue & White/Blue
- **Control Conductors (7):**
  - **Conductor Material & Diameter:** 24AWG (solid) Bare Copper,.020” nominal
  - **Insulation Material & Diameter:** PVC insulation, .041” nominal
  - **Color Code:** Brown, Red, Orange, Yellow, Green, Blue, Violet
- **Overall Shield Material & % Coverage:**
  - **Al/Polyester tape (100%), 24AWG (solid) Tinned Copper Drain wire, 36AWG Tinned Copper Braid (82%)**
- **Overall Jacket Material & Diameter:**
  - **Temperature Rating:** -20 to +60°C
  - **Max. Pulling Tension:** 130 lbs
  - **Min. Bend Radius:** 4.5”
  - **Weight:** 88 lbs/1000’
  - **Applicable Specifications:** EU RoHS Compliant
  - **UL Type CM, C(UL) Type CM**
  - **Flame Resistance:** UL1581 Vertical Tray