

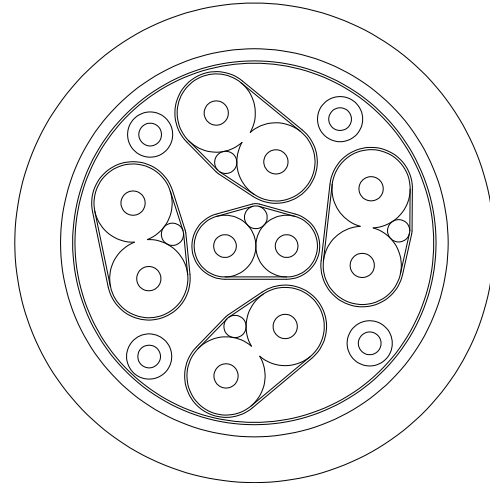
Blue Jeans Cable Series-FE (Rev 0, 12/10/09) (28 AWG, with Ethernet)

I. Description

Patented bonded-pair HDMI Cable

II. Electrical Characteristics

Maximum Operating Voltage: 300V RMS
 Maximum Current per Conductor @ 25°C: (24AWG): 1.26 A
 Nom. Conductor DC Resistance @ 25°C: 62.3 Ω/1000'
 of 28AWG Conductors:
 Nom. Shield DC Resistance @ 25°C: 24.4 Ω/1000'
 of Individual Shields:
 of Overall Shield: 3.7 Ω/1000'
 Capacitance between Conductors:
 of Shielded TMDS Pairs: 15.3 pF/ft nominal
 of Shielded Ethernet Pair: 16.5 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 Pairs: 0.8 ns/ft (Estimated)
 Conductors of Pair (TDR): 2.0 ps/ft (Estimated)
 Nominal Attenuation @ 25°C of TMDS pairs:



- 9.6 dB/100' @ 100 MHz
 -13.3 dB/100' @ 200 MHz
 -19.3 dB/100' @ 400 MHz
 -21.9 dB/100' @ 500 MHz
 -24.3 dB/100' @ 600 MHz
 -28.9 dB/100' @ 825 MHz
 -32.2 dB/100' @ 1.0 GHz
 -36.1 dB/100' @ 1.2 GHz
 -45 dB/100' @ 1.6 GHz*
 -48 dB/100' @ 1.9 GHz*
 -51 dB/100' @ 2.1 GHz*
 -57 dB/100' @ 2.475 GHz*
 -63 dB/100' @ 3 GHz*
 -67 dB/100' @ 3.25 GHz*
 -70 dB/100' @ 3.5 GHz*
 -72 dB/100' @ 4.0 GHz*
 -75 dB/100' @ 4.125 GHz*
 -81 dB/100' @ 5.1 GHz*
 *estimated

Nominal Attenuation @ 25°C of HEAC pair:

-1.8 dB/100' @ 0.3 MHz*
 -5.5 dB/100' @ 10 MHz*
 -19.7 dB/100' @ 200 MHz*
 *estimated
 -35 dB 1MHz - 5.1 GHz (Estimated)

Far End Cross Talk (FEXT):

III. Physical Characteristics

TMDS & Clock Pairs (4):

Conductor Material & Diameter: 28AWG (solid) Bare Copper, .0129" nominal
 Insulation Material & Diameter: Polyolefin, .043" nominal
 Shield Material & % Coverage: Al/Polyester tapes w/ 28AWG (solid) TC Drain wires
 Color Code: Orange & White/Orange, Brown & White/Brown, Green & White/Green, Blue & White/Blue

HEAC/DDC/CEC Ground/Utility/Hot Plug (1 Pair):

Conductor Material & Diameter: 28AWG (solid) Bare Copper, .0129" nominal
 Insulation Material & Diameter: Foamed Polyolefin, .035" nominal
 Shield Material & % Coverage: Al/Polyester tapes w/ 28AWG (solid) TC Drain wire
 Color Code: Red & Green

CEC, SCL, SDA, & +5V conductors:

Conductor Material & Diameter: 28AWG (solid) Bare Copper, .0129" nominal
 Insulation Material & Diameter: Polyolefin, .027" nominal
 Color Code: Brown, Orange, Blue, Violet

Overall Shield Material & % Coverage:

Al/Polyester tape (100%), 28AWG (solid) Tinned Copper Drain wire, 38AWG Tinned Copper Braid (85%)

Overall Jacket Material & Diameter:

FR PVC, .277" +/- .010"
 Temperature Rating: -20 to +60°C
 Max. Pulling Tension: 60 lbs
 Min. Bend Radius: 3.0"
 Weight: 45 lbs/1000'
 Applicable Specifications: EU RoHS Compliant
 Flame Resistance: None