

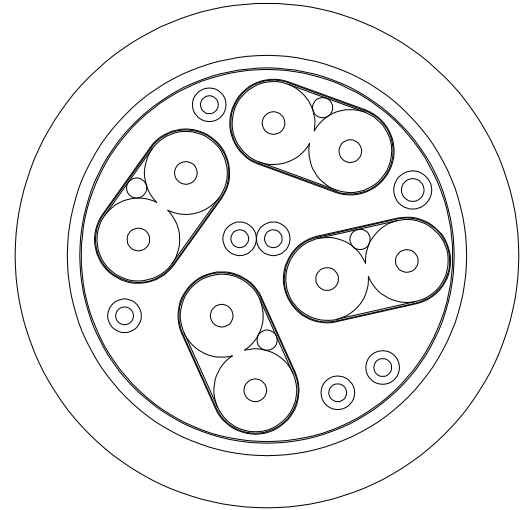
## Belden Part Number YR52710

### I. Description

HDMI Composite Cable – Four 24AWG (solid) bonded pairs are individually shielded for Clock & Data. One 24AWG (solid) conductor and six 26AWG (solid) conductors for control applications. Overall foil and Braid shields. Overall Flame Retardant PVC jacket.

### II. Electrical Characteristics

Maximum Operating Voltage:	300V RMS
Maximum Current per Conductor @ 25°C: (24AWG):	3.0 A
(26AWG):	2.0 A
Nom. Conductor DC Resistance @ 25°C of 24AWG Conductors:	24.0 Ω/1000'
of 26AWG Conductors:	37.3 Ω/1000'
Nom. Shield DC Resistance @ 25°C of Individual Shields:	17.1 Ω/1000'
of Overall Shield:	1.75 Ω/1000'
Capacitance between Conductors of Shielded Pairs:	15.3 pF/ft nominal
of 26AWG Conductors (all others to Shield):	17.9 pF/ft
Nominal Impedance of Shielded Pairs:	100 +/- 7 Ω (TDR)
Nominal Return Loss of Shielded Pairs:	-15dB max, 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 Clock & Data pairs:	- 6.0 dB/100' @ 100 MHz	-32 dB/100' @ 1.9 GHz*
	- 8.3 dB/100' @ 200 MHz	-34 dB/100' @ 2.1 GHz*
	-13.5 dB/100' @ 400 MHz	-38 dB/100' @ 2.475 GHz*
	-15.1 dB/100' @ 500 MHz	-42 dB/100' @ 3 GHz*
	-16.9 dB/100' @ 600 MHz	-45 dB/100' @ 3.25 GHz*
	-19.8 dB/100' @ 825 MHz	-47 dB/100' @ 3.5 GHz*
	-21.2 dB/100' @ 1.0 GHz	-48 dB/100' @ 4.0 GHz*
	-24.1 dB/100' @ 1.2 GHz	-50 dB/100' @ 4.125 GHz*
	-30 dB/100' @ 1.6 GHz*	*estimated
Maximum Far End Cross Talk (FEXT):	-30 dB 1MHz - 4.125 GHz (Estimated)	

### III. Physical Characteristics

#### **Bonded, Shielded High-Speed Pairs (4):**

Conductor Material & Diameter:	24AWG (solid) Tinned Copper, .020" nominal
Insulation Material & Diameter:	Polyolefin, .074" nominal
Shield Material & % Coverage:	Al/Polyester tapes w/ 25AWG (solid) TC Drain wires
Color Code:	Red & White, Blue & White, Brown & White, Green & White

#### **Control Conductors (6):**

Conductor Material & Diameter:	26AWG (solid) Tinned Copper, .016" nominal
Insulation Material & Diameter:	Polyolefin insulation, .030" nominal
Color Code:	Yellow, Gray, Pink, Orange, White, Violet

#### **+5V Conductor (1):**

Conductor Material & Diameter:	24AWG(solid) Tinned Copper, .020" nominal
Insulation Material & Diameter:	Polyolefin insulation, .034" nominal
Color Code:	Red

#### **Overall Shield Material & % Coverage:**

Al/Polyester tape (100%), 26AWG (solid) Tinned Copper Drain wire, 36AWG Tinned Copper Braid (85%)

#### **Overall Jacket Material & Diameter:**

FR PVC, .430" +/- .015"

Temperature Rating: -20 to +60°C

Max. Pulling Tension: 130 lbs

Min. Bend Radius: 4.25"

Weight: 88 lbs/1000'

Applicable Specifications: EU RoHS Compliant

UL Type CM, C(UL) Type CM

Flame Resistance: UL1581 Vertical Tray