

## 1278R Coax - Mini Hi-Res Component Video Cable



For more Information  
please call

1-800-Belden1



### Description:

25 AWG solid .018" tinned copper conductors, Gas-injected FHDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (100% coverage), PVC inner jacket, PVC jacket.

### Usage (Overall)

**Suitable Applications:**

RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices, Boardrooms, Auditoriums, Teleconferencing, Theaters

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
4	25	Solid	TC - Tinned Copper	.018

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.074

#### Inner Shield

**Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Polyester Tape Lightly bonded to dielectric	100
2		Interlocked Serve	TC - Tinned Copper	95

#### Inner Jacket

**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.114

**Inner Jacket Color Code Chart:**

Number	Color
1	Red
2	Green
3	Blue
4	Yellow

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

**Overall Nominal Diameter:** 0.351 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +75°C

**UL Temperature Rating:** 60°C

**Non-UL Temperature Rating:** 75°C

## 1278R Coax - Mini Hi-Res Component Video Cable

<b>Bulk Cable Weight:</b>	55 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	110 lbs.
<b>Min. Bend Radius (Each Coax):</b>	1.100 in.
<b>Min. Bend Radius (Overall):</b>	3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMR
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU CE Mark:</b>	No
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
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#### Suitability

<b>Suitability - Indoor:</b>	Yes - Risers
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/ft)

.087

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.0

#### Nominal Velocity of Propagation:

VP (%)

80

#### Nominal Delay:

Delay (ns/ft)

1.24

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

34

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.4

#### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1 0.52

## 1278R Coax - Mini Hi-Res Component Video Cable

5	1.17
50	3.7
100	4.9
200	6.7
400	9.5
750	13.4
900	15.0
1000	15.8
3000	31.2

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	20

### Sweep Test

Sweep Testing: 5 - 850 MHz

## Misc. Information (Overall)

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1278R B591000	1,000 FT	60.000 LB	BLACK, MATTE	C	4#25LDPE/GIFHDLDPPE SH FRPVCPCVC
1278R B59500	500 FT	31.500 LB	BLACK, MATTE	C	4#25LDPE/GIFHDLDPPE SH FRPVCPCVC

#### Notes:

C = CRATE REEL PUT-UP.

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