

## 1277R 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® (100% coverage) plus a tinned copper interlocked serve shield (95% coverage), inner PVC jacket, overall 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.)
3	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		Braid	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

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.320 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

## 1277R Coax - Mini Hi-Res Component Video Cable

Bulk Cable Weight:	44 lbs/1000 ft.
Max. Recommended Pulling Tension:	90 lbs.
Min. Bend Radius (Each Coax):	1.100 in.
Min. Bend Radius (Overall):	2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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:	UL1666 Vertical Shaft
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## Suitability

## 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
5	1.17
50	3.7
100	4.9
200	6.7

## 1277R Coax - Mini Hi-Res Component Video Cable

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
1277R B591000	1,000 FT	48.000 LB	BLACK, MATTE	C	3#25LDPE/GIFHDLDPE SH FRPVC PVC
1277R B59500	500 FT	25.500 LB	BLACK, MATTE	C	3#25LDPE/GIFHDLDPE SH FRPVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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