

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

For more Information  
please call

1-800-Belden1



### Description:

25 AWG solid .018" tinned copper conductors, FPFA insulation, Duobond® foil plus a tinned copper interlocked serve shield (100% coverage), PVDF inner jackets, 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.)
FPFA - Foam Perfluoroalkoxy	0.074

#### Inner Shield

**Inner Shield Material:**

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

#### Inner Jacket

**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVDF - Fluorocopolymer	.111

**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:** 0.276 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 60°C

**Non-UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 38 lbs/1000 ft.

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Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius (Each Coax):	1.100 in.
Min. Bend Radius (Overall):	2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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:	NFPA 262
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#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1277R

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/ft)

.087

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.8

#### Nominal Velocity of Propagation:

VP (%)

81

#### Nominal Delay:

Delay (ns/ft)

1.26

#### 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.)

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

1	0.5
5	1.2
50	3.8
100	5.2
200	7.1
400	10.0
750	14.3
1000	16.9
2250	25.5
3000	33.9

### 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
1277P 0081000	1,000 FT	41.000 LB	GRAY	C	3 #25 FPFA SH SLF PVC
1277P 008500	500 FT	19.000 LB	GRAY	C	3 #25 FPFA SH SLF PVC

#### Notes:

C = CRATE REEL PUT-UP.

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