

## 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-AluminumLightly bonded to dielectric	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.

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

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
----------------	----------

#### Suitability

Suitability - Indoor:	Yes
-----------------------	-----

#### 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.

Revision Number: 5    Revision Date: 04-21-2011

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.