

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



**Obsolete  
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1-800-BELDEN1**

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.)
4	25	Solid	TC - Tinned Copper	.018

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
FPFA - Foam Perfluoroalkoxy	.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
4	Yellow

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

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling**

Overall Nominal Diameter: 0.304 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

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

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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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:	1278R

## 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)
34.0

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.4

## Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)
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## 1278P Coax - Mini Hi-Res Component Video Cable

1	0.50
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)**

Other Description: BAG: Added sweep testing.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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