

## 1279P Coax - Mini Hi-Res Component Video Cable



For more Information  
please call

1-800-Belden1



### General Description:

25 AWG solid .018" tinned copper conductors, FFEP insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), PVC 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. (mm)
5	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors:

5

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam FEP	1.880

#### Inner Shield

Inner Shield Material:

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

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.819

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 8.382 mm

### 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:	89.292 Kg/Km
Max. Recommended Pulling Tension:	369.201 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	82.550 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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
CSA Flame Test:	FT6

### Suitability

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

Plenum (Y/N):	Yes
Non-Plenum Number:	1279R

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**  
75

### Nom. Inductance:

**Inductance (µH/m)**  
0.285447

### Nom. Capacitance Conductor to Shield:

**Capacitance (pF/m)**  
55.1208

### Nominal Velocity of Propagation:

**VP (%)**  
81

### Nominal Delay:

**Delay (ns/m)**  
4.13406

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
111.554

### Nom. Inner Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**  
17.7174

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.6405
5	3.9372
50	12.4678
100	17.0612
200	23.2951
400	32.81
750	46.9183
1000	55.4489
2250	83.6655
3000	111.226

### Max. Operating Voltage - UL:

## METRIC MEASUREMENT VERSION

## 1279P Coax - Mini Hi-Res Component Video Cable

<b>Voltage</b>
300 V RMS

Max. Operating Voltage - Non-UL:

<b>Voltage</b>
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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1279P 0081000	1,000 FT	66.000 LB	GRAY	C	5 #25 FFEP SH FLRST FLRST
1279P 008250	250 FT	18.250 LB	GRAY	C	5 #25 FFEP SH FLRST FLRST
1279P 008500	500 FT	33.500 LB	GRAY	C	5 #25 FFEP SH FLRST FLRST
1279P 0101000	1,000 FT	66.000 LB	BLACK	C	5 #25 FFEP SH FLRST FLRST
1279P 010250	250 FT	18.250 LB	BLACK	C	5 #25 FFEP SH FLRST FLRST
1279P 010500	500 FT	33.500 LB	BLACK	C	5 #25 FFEP SH FLRST FLRST

**Notes:**  
C = CRATE REEL PUT-UP.

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