

## 1396P Coax - RGB Component Video Cable



For more Information  
please call

1-800-Belden1



### General Description:

RGB Video Cable, Plenum-CMP, 6-25 AWG solid bare copper, foam FEP insulation, Beldfoil®+95% tinned copper interlocked serve, inner Flamarrest® jackets, Flamarrest®jacket

### Usage (Overall)

Suitable Applications: Video

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
6	25	Solid	BC - Bare Copper	0.018

Total Number of Conductors: 6

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam FEP	0.074

#### Inner Shield

Inner Shield Material:

Layer #	Type	Inner Shield Material	Coverage (%)
1	Tape	Aluminum Foil-Poly	100.000
2	Serve	TC - Tinned Copper	95.000

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
Plenum Grade PVC - Polyvinyl Chloride	0.102

Inner Jacket Color Code Chart:

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

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 0.336 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 70 lbs/1000 ft.

Max. Recommended Pulling Tension: 164 lbs.

Min. Bend Radius (Each Coax): 1.100 in.

Min. Bend Radius (Overall): 3.500 in.

## 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):	06/28/2012
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, UL910 Plenum
C(UL) Flame Test:	FT6

### Suitability

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

Plenum (Y/N):	Yes
Non-Plenum Number:	1396R

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**  
75

### Nom. Capacitance Conductor to Shield:

**Capacitance (pF/ft)**  
17.000

### Nominal Velocity of Propagation:

**VP (%)**  
80.000

### Nominal Delay:

**Delay (ns/ft)**  
5.000

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.400
5.000	0.900
50.000	3.700
100.000	5.000
200.000	7.000
400.000	10.000
750.000	14.500
1000.000	17.000
2250.000	17.500
3000.000	37.000

### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

### Max. Operating Voltage - Non-UL:

**Voltage**  
300 V RMS

### Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	15.000

### Sweep Test

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Sweep Testing:

5 - 1000 MHz

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1396P 0081000	1,000 FT	59.000 LB	GRAY		6X #25 RGB COAX CMP OA JKT
1396P 008500	500 FT	31.500 LB	GRAY		6X #25 RGB COAX CMP OA JKT

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