

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

For more Information  
please call

1-800-Belden1



### 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. (in.) |
|--------|-----|-----------|--------------------|------------|
| 5      | 25  | Solid     | TC - Tinned Copper | .018       |

**Total Number of Conductors:** 5

#### Insulation

**Insulation Material:**

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

#### Inner Shield

**Inner Shield Material:**

| Layer # | Inner Shield Trade Name | Type              | Inner Shield Material  | Coverage (%) |
|---------|-------------------------|-------------------|--|--------------|
| 1       | Duobond®                | 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.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.111           |

**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:** 0.330 in.

### Mechanical Characteristics (Overall)

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

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|                                   |                 |
|-----------------------------------|-----------------|
| UL Temperature Rating:            | 60°C            |
| Non-UL Temperature Rating:        | 75°C            |
| Bulk Cable Weight:                | 60 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 83 lbs.         |
| Min. Bend Radius (Each Coax):     | 1.100 in.       |
| Min. Bend Radius (Overall):       | 3.250 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: | 1279R |

### 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)

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

5.4

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 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

**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.

Revision Number: 5    Revision Date: 08-13-2012

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