

1280R Coax - Mini Hi-Res Component Video Cable



For more Information
please call

1-800-Belden1

**General Description:**

25 AWG solid .018" tinned copper conductors, Gas-injected FHDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), PVC inner jacket, 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.) |
|--------|-----|-----------|--------------------|------------|
| 6 | 25 | Solid | TC - Tinned Copper | .018 |

Total Number of Conductors: 6

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 0.074 |

Inner Shield**Inner Shield Material:**

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|---------|-------------------------|-------------------|---|--------------|
| 1 | Duobond® | Tape | Aluminum Foil-Polyester Tape Lightly 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 | .114 |

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 |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.423 in.

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Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -40°C To +75°C |
| UL Temperature Rating: | 60°C |
| Non-UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 78 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 135 lbs. |
| Min. Bend Radius (Each Coax): | 1.100 in. |
| Min. Bend Radius (Overall): | 4.250 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMG |
| 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): | 01/01/2004 |
| 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: | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4 |

Suitability

| | |
|-----------------------|--------------|
| Suitability - Indoor: | Yes - Risers |
|-----------------------|--------------|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

.087

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.0

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

1.24

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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.)

| | |
|------|------|
| 1 | 0.52 |
| 5 | 1.17 |
| 50 | 3.7 |
| 100 | 4.9 |
| 200 | 6.7 |
| 400 | 9.5 |
| 750 | 13.4 |
| 900 | 15.0 |
| 1000 | 15.8 |
| 3000 | 31.2 |

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)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------|-------|--------------------------------|
| 1280R B591000 | 1,000 FT | 87.000 LB | BLACK, MATTE | C | 6#25LDPE/GIFHDLDP SH FRPVCPCVC |
| 1280R B59500 | 500 FT | 44.000 LB | BLACK, MATTE | C | 6#25LDPE/GIFHDLDP SH FRPVCPCVC |

Notes:

C = CRATE REEL PUT-UP.

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