

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.

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.

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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 |

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 |
|---------|
|---------|

1280R Coax - Mini Hi-Res Component Video Cable

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/GIFHDLDPE SH FRPVCPCVC |
| 1280R B59500 | 500 FT | 44.000 LB | BLACK, MATTE | C | 6#25LDPE/GIFHDLDPE SH FRPVCPCVC |

Notes:
C = CRATE REEL PUT-UP.

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