

HC2653R Coax - Banana Peel® Unjacketed Bundles Minin Hi-Res Component Video

For more Information
please call

1-800-Belden1



General Description:

Usage (Overall)

Suitable Applications:

RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage,
Component Video, Video Mult, Animation, Special effects

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 6 | 25 | Solid | TC - Tinned Copper | 0.4572 |

Total Number of Conductors:

6

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|-----------------------------------------------------|-----------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 1.8796 |

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. (mm) |
|--------------------------|----------------|
| PVC - Polyvinyl Chloride | 2.8956 |

Inner Jacket Color Code Chart:

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

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|-----------------------|
| Unjacketed |

Overall Cable

Overall Cabling Fillers:

Bonded Spline

Overall Nominal Diameter:

8.687 mm

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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: | 116.080 Kg/Km |
| Max. Recommended Pulling Tension: | 600.507 N |
| Min. Bend Radius (Each Coax): | 27.940 mm |
| Min. Bend Radius (Overall): | 107.950 mm |

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): | 08/10/2006 |
| 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 |
| Plenum Number: | 1282S6, 1280P |

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

| |
|-----------------|
| Impedance (Ohm) |
| 75 |

Nom. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.285447 |

Nom. Capacitance Conductor to Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 55.777 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 80 |

Nominal Delay:

| |
|--------------|
| Delay (ns/m) |
|--------------|

METRIC MEASUREMENT VERSION

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4.06844

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 | 1.70612 |
| 5 | 3.83877 |
| 50 | 12.1397 |
| 100 | 16.0769 |
| 200 | 21.9827 |
| 400 | 31.1695 |
| 750 | 43.9654 |
| 900 | 49.215 |
| 1000 | 51.8398 |
| 3000 | 102.367 |

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

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