Belden Commercial AV Digital Coax cables offer superior image quality with low Return Loss. They are ideal for a wide range of SDI, HD and video display applications.

With the proliferation of plasma and LCD screens, there is growing market demand for high resolution video in a host of applications, including:

- AV presentations and whiteboards for meetings and classroom training
- Projector presentation systems
- Teleconferencing
- Closed-circuit surveillance and security systems
- Video for home theaters
- Video pick-up in sports bars, casinos, racinos and other commercial venues
- High Resolution Surveillance Video
- SDI, video, and Broadband HDTV
- Broadband Internet Delivery

Concurrently, AV and security system integrators are increasingly selecting compression connectors, which can be problematic when used with traditional foil design coaxial cables. The foil can bunch up when inserted into compression connectors or, if the foil is left in place, foil "stringers" can result which can short to the cable’s center conductor.

The Belden Solution

Belden has designed its Commercial AV Digital Coax cables especially for use with compression connectors. The cable design features a foil shield that is securely bonded to the core, thus making installation easier and eliminating the risk of foil stringers and shorting.

Available in Six Designs, Ten Colors

The new Belden Commercial AV Digital Coax cable line includes six products: 1371R and 1371P (Mini RG-59 Type), 1370R and 1370P (RG-59/U Type), and 1369R and 1369P (RG-6U Type).

All cables are sweep tested to 3GHz, and all guarantee -15dB Return Loss (RL) performance. The cable design includes a tinned copper braid shield (85 percent coverage) and bonded Duofoil® shield (100 percent coverage) for effective shielding in higher frequency applications. The cables are available in ten colors: Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray.

Gas-injected High-density Foam Dielectric

The new coax design uses very high velocity dielectrics so the plenum and non-plenum versions are close in size, allowing selection of a single type of compression connector for both.

Belden’s best-in-class, high-density foaming technology ensures reliable signal integrity and better video images while also providing superior crush-resistance, concentricity and conductor adhesion for more stable performance.
## Belden Commercial AV Digital Coax Cables

### Mini RG-59/U Type • 23 AWG

**Solid 0.23" BC Conductor • Duofoil® Bonded to the Core (100% Coverage) + TC Braid Shield (85% Coverage)**

#### Gas-injected Foam HDPE Insulation • FRPVC Jacket

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>UL NEC/ CUL/CED Type</th>
<th>Standard Weight/1000 ft Lbs.</th>
<th>kg</th>
<th>Conductor (stranding) Diameter Nom. DCR</th>
<th>Nominal Core OD</th>
<th>Shading Materials Nom. DCR</th>
<th>Nominal OD</th>
<th>Nom. Imp. of Prop.</th>
<th>Nom. Capacitance</th>
<th>pF/100 ft</th>
<th>pF/m</th>
<th>Nominal Attenuation</th>
<th>Recs for Pre-SNS BNC Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SDHDTV Digital Video</strong></td>
<td>1371R</td>
<td>NEC+ CMR+ CEC+ CMR+</td>
<td>36 16 23 AWG 0.102 2.59</td>
<td></td>
<td>0.027 3.6 10.1/μM 15.12/μkm/ft</td>
<td>0.160 4.06 75 82 16.3 53.5</td>
<td>1 0.4 0.1</td>
<td>FS15BNC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **SDHDTV Digital Video** | 1371F    | NEC+ CMR+ CEC+ CMR+ | 16 7 23 AWG 0.136 3.45     |    | 0.027 3.6 10.1/μM 15.12/μkm/ft     | 0.160 4.06 75 80 16.6 54.5 | 1 0.38 0.1  | FS15BNC     |

### RG-59/U Type • 20 AWG

**Solid .032" BC Conductor • Duofoil® Bonded to the Core (100% Coverage) + TC Braid Shield (85% Coverage)**

#### Gas-injected Foam HDPE Insulation • FRPVC Jacket

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>UL NEC/ CUL/CED Type</th>
<th>Standard Weight/1000 ft Lbs.</th>
<th>kg</th>
<th>Conductor (stranding) Diameter Nom. DCR</th>
<th>Nominal Core OD</th>
<th>Shading Materials Nom. DCR</th>
<th>Nominal OD</th>
<th>Nom. Imp. of Prop.</th>
<th>Nom. Capacitance</th>
<th>pF/100 ft</th>
<th>pF/m</th>
<th>Nominal Attenuation</th>
<th>Recs for Pre-SNS BNC Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SDHDTV Digital Video</strong></td>
<td>1370R</td>
<td>NEC+ CMR+ CEC+ CMR+</td>
<td>23 10.5 20 AWG 0.136 3.45 0.020 5.13 75 84 16.6 56.5</td>
<td></td>
<td>0.027 3.6 10.1/μM 15.12/μkm/ft</td>
<td>0.192 4.88 75 84 16.1 52.8</td>
<td>1 0.3 0.1</td>
<td>FS15BNC</td>
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<td></td>
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</tr>
</tbody>
</table>

| **SDHDTV Digital Video** | 1370F    | NEC+ CMR+ CEC+ CMR+ | 27 12 20 AWG 0.133 3.38 0.019 5.97 75 83 16.6 54.5 |    | 0.027 3.6 10.1/μM 15.12/μkm/ft     | 0.192 4.88 75 83 16.6 54.5 | 1 0.2 0.1  | FS15BNC     |

### RG-6/U Type • 18 AWG

**Solid .040" BC Conductor • Duofoil® Bonded to the Core (100% Coverage) + TC Braid Shield (85% Coverage)**

#### Gas-injected Foam HDPE Insulation • FRPVC Jacket

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>UL NEC/ CUL/CED Type</th>
<th>Standard Weight/1000 ft Lbs.</th>
<th>kg</th>
<th>Conductor (stranding) Diameter Nom. DCR</th>
<th>Nominal Core OD</th>
<th>Shading Materials Nom. DCR</th>
<th>Nominal OD</th>
<th>Nom. Imp. of Prop.</th>
<th>Nom. Capacitance</th>
<th>pF/100 ft</th>
<th>pF/m</th>
<th>Nominal Attenuation</th>
<th>Recs for Pre-SNS BNC Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SDHDTV Digital Video</strong></td>
<td>1369R</td>
<td>NEC+ CMR+ CEC+ CMR+</td>
<td>29 13 18 AWG 0.170 4.32 0.235 5.97 75 83 16.6 54.5</td>
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<td>0.027 3.6 10.1/μM 15.12/μkm/ft</td>
<td>0.192 4.88 75 83 16.6 54.5</td>
<td>1 0.2 0.1</td>
<td>FS15BNC</td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

| **SDHDTV Digital Video** | 1369F    | NEC+ CMR+ CEC+ CMR+ | 34 15 18 AWG 0.168 4.27 0.231 5.87 75 83 16.3 53.5 |    | 0.027 3.6 10.1/μM 15.12/μkm/ft     | 0.192 4.88 75 83 16.3 53.5 | 1 0.2 0.1  | FS15BNC     |