

PB 280

Commercial AV Digital Coax Cables

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.



Belden Offers SDI/HD Coaxial Cables With Design Features That Make Using Compression Connectors Faster, Easier and More Secure

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.



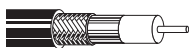
Belden Commercial AV Digital Coax Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Weight/1000 ft		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. of Prop. (Ω)	Nominal Capacitance		Nominal Attenuation			Recommended Pro-SNS BNC Connector
			Lbs.	kg		Inch	mm		Inch	mm		pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100 m	

Mini RG-59/U Type • 23 AWG Solid 0.23" BC Conductor • Duofoil® Bonded to the Core (100% Coverage) + TC Braid Shield (85% Coverage)

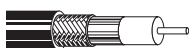
Gas-injected Foam HDPE Insulation • FRPVC Jacket (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

SDI/HDTV Digital Video 75°C	1371R	NEC:	36	16	23 AWG	0.102	2.59	Duofoil (solid)	0.160	4.06	75	82	16.3	53.5	1	0.4	0.1	FS15BNC
		CMR:													3.6	0.8	0.2	
		CEC:													5	0.9	0.3	
		CMR:													71.5	3.1	0.9	
															135	3.8	1.2	
															270	5.4	1.6	
															360	6.2	1.9	
															540	7.7	2.3	
															720	9.5	2.9	
															1000	10.5	3.2	
	1500	13	4.0															
	2250	16	4.9															
	3000	18.5	5.6															



Gas-injected Foam FEP Insulation • Flamarrest® Jacket (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

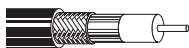
SDI/HDTV Digital Video 75°C	1371P	NEC:	16	7	23 AWG	0.102	2.59	Duofoil (solid)	0.160	4.06	75	80	16.6	54.5	1	0.38	0.1	FS15BNC
		CMP:													3.6	0.76	0.2	
		CEC:													71.5	3.1	0.9	
		CMP:													135	4.1	1.2	
															135	4.1	1.2	
															270	5.8	1.8	
															360	6.9	2.1	
															540	8.7	2.7	
															720	10.3	3.1	
															1000	12.4	3.8	
	1500	15.7	4.8															
	2250	19.9	6.1															
	3000	23.8	7.3															



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 (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

SDI/HDTV Digital Video 75°C	1370R	NEC:	23	10.5	20 AWG	0.136	3.45	Duofoil (solid)	0.202	5.13	75	84	16.6	54.5	1	0.3	0.1	FSNS59BNCPL
		CMR:													3.6	0.6	0.2	
		CEC:													5	0.6	0.2	
		CMR:													71.5	2.1	0.2	
															135	2.7	0.6	
															270	3.8	0.8	
															360	4.4	1.2	
															540	5.5	1.3	
															720	6.4	2.0	
															1000	7.6	2.3	
	1500	9.3	2.8															
	2250	11.6	3.5															
	3000	13.4	4.1															



Gas-injected Foam FEP Insulation • Flamarrest® Jacket (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

SDI/HDTV Digital Video 75°C	1370P	NEC:	27	12	20 AWG	0.133	3.38	Duofoil (solid)	0.192	4.88	75	84	16.1	52.8	1	0.3	0.1	FSNS59BNCPL
		CMP:													3.6	0.6	0.2	
		CEC:													5	0.7	0.2	
		CMP:													71.5	2.3	0.2	
															135	3.2	0.7	
															270	4.6	1.0	
															360	5.3	1.4	
															540	6.4	1.6	
															720	7.3	2.2	
															1000	9.4	2.9	
	1500	12.8	3.9															
	2250	17.5	5.3															
	3000	21.9	6.7															



RG-6/U Type • 18 AWG Solid .040" BC Conductor • Duofoil® Bonded to the Core (100% Coverage) + TC Braid Shield (85% Coverage)

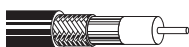
Gas-injected Foam HDPE Insulation • FRPVC Jacket (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

SDI/HDTV Digital Video 75°C	1369R	NEC:	29	13	18 AWG	0.170	4.32	Duofoil (solid)	0.235	5.97	75	83	16.6	54.5	1	0.2	0.1	FSNS6BNCPL
		CMR:													3.6	0.4	0.1	
		CEC:													5	0.5	0.2	
		CMR:													71.5	1.7	0.5	
															135	2.2	0.7	
															270	3.2	1.0	
															360	3.7	1.1	
															540	4.6	1.4	
															720	5.4	1.6	
															1000	6.4	2.0	
	1500	8.0	2.4															
	2250	10.0	3.1															
	3000	11.8	3.6															



Gas-injected Foam FEP Insulation • Flamarrest Jacket (Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray)

SDI/HDTV Digital Video 75°C	1369P	NEC:	34	15	18 AWG	0.168	4.27	Duofoil (solid)	0.231	5.87	75	83	16.3	53.5	1	0.2	0.1	FSNS6BNCPL
		CMP:													3.6	0.5	0.1	
		CEC:													5	0.6	0.2	
		CMP:													71.5	1.8	0.5	
															135	2.4	0.7	
															270	3.4	1.0	
															360	4.0	1.2	
															540	5.2	1.6	
															720	6.1	1.9	
															1000	7.3	2.2	
	1500	9.2	2.8															
	2250	11.6	3.5															
	3000	13.7	4.2															



BC = Bare Copper • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • FRPVC = Fire Resistant PVC • HDPE = High-density Polyethylene • TC = Tinned Copper