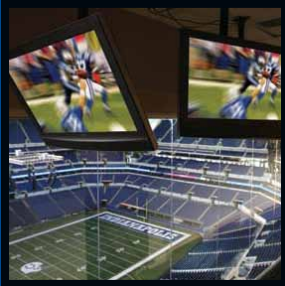




# Commercial AV Solutions



One Enterprise.  
One Infrastructure.  
One Partner.

**Commercial Audio Video  
Products and Systems**



## Commercial AV by Belden

Belden is the trusted brand in audio video cabling and connectivity. The AV industry has come to rely on our proven track record of innovation, quality, and consistency. Belden upholds its reputation with warranties unmatched in the industry.

Our product offering includes traditional audio and video, networking and fiber optic cable and connectivity. Whether integrating analog, digital, fiber transport, or IP-based systems, Belden can offer a solution for your installation needs. Our products are designed to support communications protocols like HDBaseT, HDMI, and IEEE AVB.

These products are locally available through one of our channel network's 1600 locations nationwide. Belden, Telecast, and our channel partners also offer a number of technical and value-added services to ensure the successful planning, deployment, and profitability of AV installations.

Commercial AV by Belden: A complete set of products designed specifically for commercial audio distribution, video display, automation and lighting control.

Table of Contents		Page
<b>Video Distribution Solutions</b>	<b>3-4</b>	<b>Media Automation and Lighting Control Solutions</b>
HD Coax Cables	3	AMX® Systems
Mini Hi-Res Coax Cables	4	Lutron® Systems
Mini Hi-Res Coax Cables — RGB Composites	4	DMX® Systems
<b>Video Display Solutions</b>	<b>5</b>	Crestron® Cresnet™ Systems
CATV Coax Cables	5	Crestron Digital Media (DM) 8G™ Systems
S-Video Cables	5	CresFiber 8G™ Systems or HDMI over Fiber
Low Skew Component Video (RGB/VGA) Solutions	5	FiberExpress Patch Cords
Nano Skew Patch Cords for Component Video (RGB/VGA)	5	FiberExpress Field Breakout Kit
		FiberExpress Accessories
<b>HDMI and Display Port Solutions</b>	<b>6</b>	<b>Copper Structured Cabling Solutions</b>
HDMI Assemblies	6	Category 5e Cables
HDMI over Category 6 HDBaseT Signal Extender	6	Category 5e Patch Cords
HDMI over Category 6 Gigabit (IP) Ethernet Extender with LED Display	6	Category 5e Shielded Patch Cords
		Category 6 Cables
<b>Speaker Cable Solutions</b>	<b>7-8</b>	Category 6 Patch Cords
Speaker Cables — Solid Conductor	7	Category 6 Shielded Patch Cords
Speaker Cables — Stranded Conductor	7	Category 6A Cables — 10GX
High-Flex Speaker Cables	7	Category 6A Patch Cords — 10GX
Indoor/Outdoor Speaker Cables — Waterblocked	8	Category 6A Shielded Patch Cords
Indoor/Outdoor Speaker Cables — Oxygen-Free Copper	8	<b>Fiber Structured Cabling Solutions</b>
Analog Audio Accessories	8	FiberExpress Multi-mode Fiber Cables
		FiberExpress Brilliance Connectors
<b>Audio Cable Solutions</b>	<b>9-10</b>	<b>Coaxial Connectivity Solutions</b>
Shielded Audio Cables — Solid Conductor	9	BNC Compression Video Connectors
Shielded Audio Cables — Stranded Conductor	9	F Compression Video Connectors
Pro Audio and Intercom Cables	10	Modular Plugs and Accessories
Commercial Sound/Nurse Call Cables	10	<b>Rack and Enclosure Systems</b>
		Freestanding Enclosures
		2 and 4 Post Racks
		Vertical Cable Managers
		Wall Mount Enclosures
		<b>Part Number Index</b>
		<b>22</b>
		<b>Customer Service and Other Belden Contacts</b>
		<b>Back Cover</b>

AMX, AXLINK, and DXLink are either trademarks or registered trademarks of AMX, LLC registered in the U.S. and other countries. DMX is either a trademark or a registered trademark of DMX, Inc. EcoSystem, HomeWorks, Grafik Eye, Sivoia, and Lutron are either trademarks or registered trademarks of Lutron Electronics Co., Inc.

One Enterprise.  
One Infrastructure.  
One Partner.



## Video Distribution Solutions

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 the cable's center conductor.

The Belden's HD Coax 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 bonded foil shield simplifies termination with one-piece connectors.

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.

The cables are available in ten colors: Black, White, Red, Green, Blue, Yellow, Orange, Violet, Brown, and Gray.



Designed especially for use with compression connectors, Belden HD Coax cables feature a foil shield that is securely bonded to the core, making stripping and termination easier and eliminating the risk of foil stringers and shorting.

### HD Coax Cables

	Description	Key Attributes	Belden Part Number			
			Riser	BNC	Comp Tool	Strip Tool
	Miniature 23 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1371R	FS15BNC	CPLCCT-SLM	PS59/6/RGB
	RG-59, 20 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1370R	FS59BNCPL2	CPLCCT-SLM	PSA59/6
	RG-6, 18 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1369R	FS6BNCPL2	CPLCCT-SLM	PSA59/6
	RG-11, 14 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1399R	FSNS11BNCU	SNSUNI	PS11
			Plenum	BNC	Comp Tool	Strip Tool
	Miniature 23 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1371P	FS15BNC	CPLCCT-SLM	PS59/6/RGB
	RG-59, 20 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1370P	FS59BNCPL2	CPLCCT-SLM	PSA59/6
	RG-6, 18 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1369P	FS6BNCPL2	CPLCCT-SLM	PSA59/6
	RG-11, 14 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1399P	716SNS1P11HPLA	CPLCCT-LS59/11	PS11

RCA and F connectors are also available



Belden introduces a completely new connector family under the Snap-N-Seal brand featuring industry-leading design elements from both Snap-N-Seal and F-Conn products. Installations in commercial and residential A/V, security, and broadband markets will be a "snap," thanks to the low compression force associated with traditional Snap-N-Seal connectors along with the patented non-blind entry with floating pin design from F-Conn. ProSNS is designed to fit all constructions of Mini/RGB, RG59, RG6, and RG11 cable. All pre-existing Cable Pro tools are compatible with ProSNS, making it the most broad and diverse product offering under the Snap-N-Seal umbrella.

## Video Distribution Solutions (continued)

Belden's 75-ohm RGB/VGA cables offer greater signal integrity and lower loss in high-frequency, long-distance transmissions. Our patented Banana Peel® unjacketed construction delivers ease of installation and reliable performance in large-screen video, HDTV, CAD and special effects video applications. Many of these are suitable for VGA and higher-resolution graphics applications. In other words, if you have a component-video application, we have many solutions available.



Belden offers Mini Hi-Res coax in jacketed or Banana Peel constructions. Jacketed constructions are more protective of the individual coaxes because of the overall jacket. Banana Peel is Belden's patented technology where each cable is bundled and affixed to a center spline, eliminating the need for an overall jacket. During installation, the installer can peel each component away from the center for easier termination. Banana Peel has a smaller OD, occupies less space in the conduit and has a better bend radius than traditional jacketed products.

### Mini Hi-Res Coax Cables

	Description	Key Attributes	Belden Part Number			
			Riser	BNC	Comp Tool	Strip Tool
	(3) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1393R	FS1BNC	FS1BNC	PS59/6/RGB
	(4) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1394R	FS1BNC	FS1BNC	PS59/6/RGB
	(5) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1395R	FS1BNC	FS1BNC	PS59/6/RGB
	(6) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1396R	FS1BNC	FS1BNC	PS59/6/RGB
	(5) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Banana Peel	1397S5	FS1BNC	FS1BNC	PS59/6/RGB
			<b>Plenum</b>	<b>BNC</b>	<b>Comp Tool</b>	<b>Strip Tool</b>
	(3) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1393P	FS1BNC	FS1BNC	PS59/6/RGB
	(4) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1394P	FS1BNC	FS1BNC	PS59/6/RGB
	(5) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1395P	FS1BNC	FS1BNC	PS59/6/RGB
	(6) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Overall Jacket	1396P	FS1BNC	FS1BNC	PS59/6/RGB
(5) 25 AWG Mini Hi-Res Coax w/Bonded Foil	Banana Peel	1398S5	FS1BNC	FS1BNC	PS59/6/RGB	

RCA and F connectors are also available

### Mini Hi-Res Coax Cables – RGB Composites

	Description	Key Attributes	Belden Part Number			
			Riser	BNC	Comp Tool	Strip Tool
	(1) RG-6, Quad Coax + (2) Cat 5e	Overall Jacket	7909A	FSNS6BNCU	CPLCCT-SLM	PSA59/6
	(3) RG-6, 18 AWG SDI Coax	Overall Jacket	7910A	FSNS6BNCU	CPLCCT-SLM	PSA59/6
	(4) RG-6, 18 AWG SDI Coax	Overall Jacket	7911A	FSNS6BNCU	CPLCCT-SLM	PSA59/6
	(5) RG-6, 18 AWG SDI Coax	Overall Jacket	7912A	FSNS6BNCU	CPLCCT-SLM	PSA59/6
	(10) RG-6, 18 AWG SDI Coax	Overall Jacket	7913A	FSNS6BNCU	CPLCCT-SLM	PSA59/6
	(6) 25 AWG Mini Hi-Res Coax + (2) STP 22 AWG	Banana Peel	5788AV	FS1BNC	CPLCCT-SLM	PS59/6/RGB
			<b>Plenum</b>	<b>BNC</b>	<b>Comp Tool</b>	<b>Strip Tool</b>
	(6) 25 AWG Mini Hi-Res Coax + (2) STP 22 AWG	Banana Peel	6788AV	FS1BNC	CPLCCT-SLM	PS59/6/RGB

RCA and F connectors are also available

One Enterprise.  
One Infrastructure.  
One Partner.



## Video Display Solutions

Belden offers a wide selection of 75-ohm coax for broadband CATV and MSO applications.

Even with high definition TV, S-Video, a legacy cable, has not totally been replaced. There is still a market for these cables used for standard definition video.

Belden offers S-Video cables in both flat or round constructions. Each option has its advantages. A round construction is easier to handle, more flexible, and arguably looks better. A flat construction takes up less area/space and can be split apart easier for termination. Historically, Belden customers prefer the flat S-Video option.



### CATV Coax Cables

	Description	Key Attributes	Belden Part Number			
			Non-Plenum	F Male	Comp Tool	Strip Tool
	RG-6 Coax, 18 AWG CCS, foil + 77% Alum. Braid	Bonded Foil, Swept 5-1000MHz, CM Rated	1613B	DB6U	CPLCRBC-B	PSA59/6
	RG-6 Coax, 18 AWG CCS, foil + 60% Alum. Braid	Swept 5-1000MHz, CM Rated	9116	DB6U	CPLCRBC-B	PSA59/6
	RG-6 Coax, 18 AWG CCS + Alum. Quad Shield	Swept 5MHz-1GHz	1189A	DB6U	CPLCRBC-B	PSA59/6
	RG-11 Coax, 14 AWG CCS, Dual Shield		1523A	716SNS1P114	CPLCCT-LS59/11	PS-11
			<b>Plenum</b>	<b>F Male</b>	<b>Comp Tool</b>	<b>Strip Tool</b>
	RG-6 Coax, 18 AWG CCS, Foil + 60% Alum. Braid		9116P	DB6PL2	CLPLCRBC-B	PSA59/6
	RG-6 Coax, 18 AWG CCS + Alum. Quad Shield		1189AP	DB6U	CPLCRBC-B	PSA59/6
	RG-11 Coax, 14 AWG CCS, Dual Shield		1523AP	716SNS1P11HPLA	CPLCCT-LS59/11	PS-11

BNC and RCA connectors are also available

### S-Video Cables

	Description	Key Attributes	Belden Part Number			
			Non-Plenum	F Male	Comp Tool	Strip Tool
	Dual 30 AWG Coax	Parallel Flat	1807A	-	-	-
	Dual 30 AWG Coax	Round	1808A	716SNS1P11H	CPLCCT-LS59/11	PS-11
			<b>Plenum</b>	<b>F Male</b>	<b>Comp Tool</b>	<b>Strip Tool</b>
	Dual 30 AWG Coax	Parallel Flat	7700A	-	-	-

BNC and RCA connectors are also available

### Low Skew Component Video (RGB/VGA) Solutions

	Description	Belden Part Number	
		Riser	RJ-45 Plugs
	Nano Skew (2.2nsec/100m maximum), Riser	7987R	301602
	Low Skew Cat 5E (9.0nsec/100m maximum), Riser	7988R	301602
		<b>Plenum</b>	<b>RJ-45 Plugs</b>
	Nano Skew (2.2nsec/100m maximum), Plenum	7987P	301602
	Low Skew Cat 5E (9.0nsec/100m maximum), Plenum	7988P	301602


### Nano Skew Patch Cords for Component Video (RGB/VGA)

	Description	Belden Part Number	
		Riser	Plenum
	Nano Skew Patch Cord, Video, UTP/50, 50 ft. (15.2 M), Maroon	AC303574	AC303584
	Nano Skew Patch Cord, Video, UTP/75, 75 ft. (22.8 M), Maroon	AC303575	AC303585
	Nano Skew Patch Cord, Video, UTP/100, 100 ft. (30.4 M), Maroon	AC303576	AC303586


Other options available

## HDMI and Display Port Solutions

### HDMI Assemblies


	Description	Belden Part Number
	HDMI Cable Assemblies, 1 Meter, CM Rated	<b>HD2001</b>
	HDMI Cable Assemblies, 2 Meter, CM Rated	<b>HD2002</b>
	HDMI Cable Assemblies, 3 Meter, CM Rated	<b>HD2003</b>
	HDMI Cable Assemblies, 4 Meter, CM Rated	<b>HD2004</b>
	HDMI Cable Assemblies, 7 Meter, CM Rated	<b>HD2007</b>

### HDMI over Category 6 HDBaseT Signal Extender

	Description	Signal Distance		HDMI Comp.	Digital Video Format	Resolution Capabilities	HDBaseT Technology	Belden Part Number
		Meter	Feet					
	HDBaseT Transmitter and Receiver	100	330	High Speed	480p, 720p, 1080i, 1080p	1080p/60 and 4K x 2K	✓	<b>BEL-HDBASET</b>

Comp.= Compliancy

### HDMI over Category 6 Gigabit (IP) Ethernet Extender with LED Display

	Description	Signal Distance		HDMI Comp.	Digital Video Format	Resolution Capabilities	Belden Part Number
		Meter	Feet				
	Ethernet Transmitter	100	330	Standard Speed	480p, 720p, & 1080p	1080p/60 up to 1920x1200	<b>IP-XMIT</b>
	Ethernet Receiver	100	330	Standard Speed	480p, 720p, & 1080p	1080p/60 up to 1920x1200	<b>IP-RECEIVE</b>

Comp.= Compliancy



## Speaker Cable Solutions

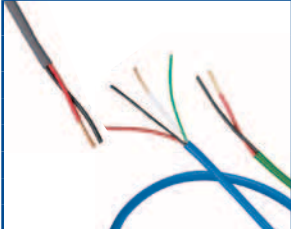
Belden offers speaker cables for a wide range of applications, including riser, plenum, indoor/outdoor, direct burial, and commercial and professional installations. All cables feature Electrolytic Tough Pitch (ETP) pure virgin copper construction (ASTM B3 and B8). We also offer Direct Burial speaker cable with ASTM B170 with ultra-high purity (99.995% pure), sometimes described as "oxygen-free (OFC)" copper.

We also offer larger gauges up to 10 AWG in a UL-safety recognized construction, and also offer Class 2 or Class 3 wiring for high-power amplifiers that need this safety rating. Class 1 cables can be found in our Brilliance broadcast offering.

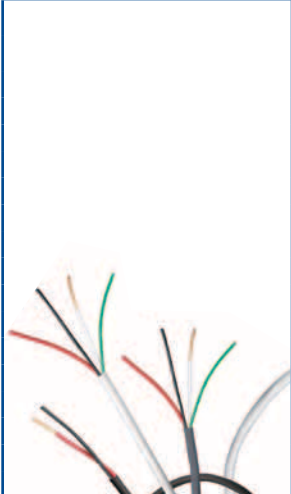


If you are unsure whether you should choose speaker cable with a solid or stranded conductor, consider the following: Solid conductors avoid stray strands which can short out connections and the resistance of solid conductors is also lower than stranded, but stranded conductors are more flexible, which helps make installation easier.

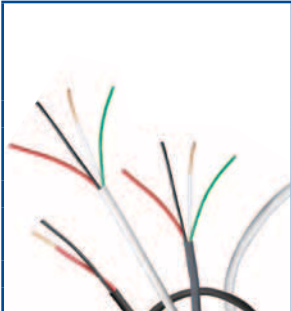
### Speaker Cables – Solid Conductor

	Description	Key Attributes	Belden Part Number	
			Riser	Plenum
	22 AWG, 2 Conductor	Solid	5520UE	6520UE
	22 AWG, 2 Conductor	Solid	5521UE	6521UE
	22 AWG, 3 Conductor	Solid	5522UE	6522UE
	18 AWG, 2 Conductor	Solid	5320UE	6320UE
	18 AWG, 3 Conductor	Solid	5321UE	6321UE
	18 AWG, 4 Conductor	Solid	5322UE	6322UE

### Speaker Cables – Stranded Conductor


	Description	Key Attributes	Belden Part Number	
			Riser	Plenum
	22 AWG, 2 Conductor	7 Strand	5500UE	6500UE
	22 AWG, 3 Conductor	7 Strand	5501UE	6501UE
	20 AWG, 2 Conductor	7 Strand	5400UE	6400UE
	20 AWG, 3 Conductor	7 Strand	5401UE	6401UE
	18 AWG, 2 Conductor	7 Strand	5300UE	6300UE
	18 AWG, 3 Conductor	7 Strand	5301UE	6301UE
	18 AWG, 4 Conductor	7 Strand	5302UE	6302UE
	16 AWG, 2 Conductor	7 Strand	5200UE	6200UE
	16 AWG, 3 Conductor	19 Strand	5201UE	6201UE
	16 AWG, 4 Conductor	19 Strand	5202UE	6202UE
	14 AWG, 2 Conductor	19 Strand	5100UE	6100UE
	14 AWG, 3 Conductor	19 Strand	5101UE	6101UE
	14 AWG, 4 Conductor	19 Strand	5102UE	6102UE
	12 AWG, 2 Conductor	19 Strand	5000UE	6000UE
	12 AWG, 3 Conductor	19 Strand	5001UE	6001UE
12 AWG, 4 Conductor	19 Strand	5002UE	6002UE	

### High-Flex Speaker Cables

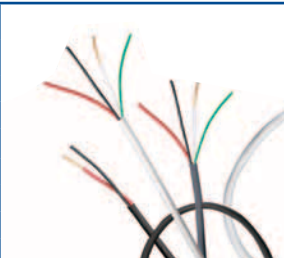
	Description	Key Attributes	Belden Part Number	
			Non-Plenum	Plenum
	18 AWG, 2 Conductor	High Strand Count	5300UP	–
	18 AWG, 4 Conductor	High Strand Count	5302UP	–
	16 AWG, 2 Conductor	High Strand Count	5200UP	–
	16 AWG, 4 Conductor	High Strand Count	5202UP	–
	14 AWG, 2 Conductor	High Strand Count	5100UP	–
	14 AWG, 4 Conductor	High Strand Count	5102UP	–
	12 AWG, 2 Conductor	High Strand Count	5000UP	–
	12 AWG, 4 Conductor	High Strand Count	5002UP	–
	10 AWG, 2 Conductor	High Strand Count	5T00UP	6T00UP

## Speaker Cable Solutions (continued)

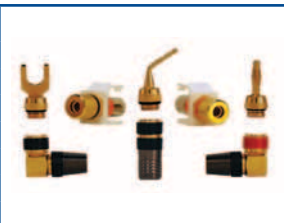
### Indoor/Outdoor Speaker Cables – Waterblocked

	Description	Key Attributes	Belden Part Number	
			Non-Plenum	Plenum
	16 AWG, 2 Conductor	Waterblocked	5240U1	
	16 AWG, 4 Conductor	Waterblocked	5202U1	
	14 AWG, 2 Conductor Solid	Waterblocked	5100U1	
	14 AWG, 2 Conductor Stranded	Waterblocked	5140U1	
	14 AWG, 4 Conductor	Waterblocked	5102U1	
	12 AWG, 2 Conductor	Waterblocked	5000U1	
	12 AWG, 4 Conductor	Waterblocked	5002U1	
	12 AWG, 6 Conductor	Waterblocked	5040U1	

### Indoor/Outdoor Speaker Cables – Oxygen-Free Copper

	Description	Key Attributes	Belden Part Number	
			Non-Plenum	Plenum
	16 AWG, 2 Conductor OFHC	65 Strand, Low Cap, Direct Burial	1307A	See 6200UE
	16 AWG, 4 Conductor OFHC	168 Strand, Low Cap, Direct Burial	1308A	See 6000UE
	14 AWG, 2 Conductor OFHC	105 Strand, Low Cap, Direct Burial	1309A	See 6202UE
	14 AWG, 4 Conductor OFHC	259 Strand, Low Cap, Direct Burial	1310A	See 6102UE
	12 AWG, 2 Conductor OFHC	168 Strand, Low Cap, Direct Burial	1311A	See 6100UE
	12 AWG, 4 Conductor OFHC	168 Strand, Low Cap, Direct Burial	1312A	See 6002UE
	10 AWG, 2 Conductor OFHC	259 Strand, Low Cap, Direct Burial	1313A	See 6T00UP

### Analog Audio Accessories

	Description	Belden Part Number
	Velcro Ties	AX100784
	Spade Tip	RGSPB
	Banana Tip	RGSPB
	Pin Tip	RGSPB
	Connector Body, Straight	RGSPU
	Connector Body, Right Angle	RGSPURA
	Connector Body, Compression Tool	CPLCCT-SLMR





## Audio Cable Solutions

Belden's wide array of audio cables range from high-performance, low-capacitance analog and digital audio constructions for optimum signal delivery to cables manufactured to basic industry specifications for commercial use, short runs and non-mission critical applications. Belden pioneered the Easy Strip foil bonded to the jacket for ease of installation and now offers this feature on digital cables, plenum cables and 2-pair versions.

We also offer multi-pair bundled cables to simplify installation. We make these in ultra-flexible

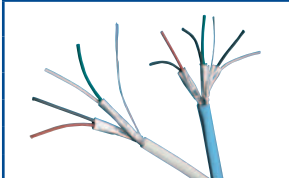
unrated versions, CM and CMR (riser-rated), halogen-free, and plenum versions for the most demanding installation requirements. Up to 32-pair in analog or digital audio snakes will satisfy every designer and system integrator.

Often used in intercom systems, line level audio applications, and/or noisy environments, Belden's shielded audio solutions offer a number of options for protecting signals from EMI/RFI.

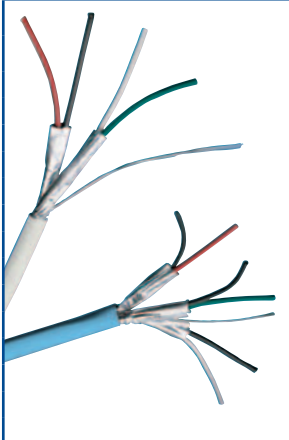


Belden uses a shorting fold technique to maintain metal-to-metal contact for improved high-frequency performance. Without the shorting fold, a slot is created through which signals can leak and cause interference.

### Shielded Audio Cables – Solid Conductor

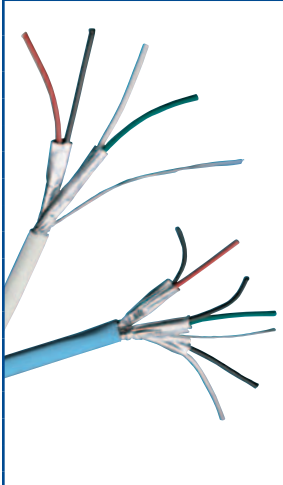
	Description	Key Attributes	Belden Part Number	
			Riser	Plenum
	22 AWG, 2 Conductor	Solid	5520FE	6520FE
	22 AWG, 3 Conductor	Solid	5521FE	6521FE
	20 AWG, 3 Conductor	Solid	5421FE	6421FE
	18 AWG, 2 Conductor	Solid	5320FE	6320FE

### Shielded Audio Cables – Stranded Conductor

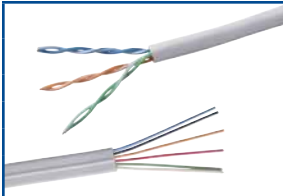
	Description	Key Attributes	Belden Part Number	
			Riser	Plenum
	22 AWG, 1 Pair	7 Strand	5500FE	6500FE
	22 AWG, 2 Pair	7 Strand	1325A	-
	22 AWG, 3 Pair	7 Strand	1326A	-
	22 AWG, 2 Conductor	Bonded Foil	-	6500PE
	22 AWG, 3 Conductor	7 Strand	5501FE	6501FE
	20 AWG, 1 Pair	7 Strand	5400FE	6400FE
	20 AWG, 3 Conductor	7 Strand	5401FE	6401FE
	18 AWG, 1 Pair	7 Strand	5300FE	6300FE
	18 AWG, 3 Conductor	7 Strand	5301FE	6301FE
	16 AWG, 1 Pair	19 Strand	5200FE	6200FE
	16 AWG, 3 Conductor	19 Strand	5201FE	6201FE
	14 AWG, 1 Pair	19 Strand	5100FE	6100FE
	14 AWG, 3 Conductor	19 Strand	5101FE	6101FE
	12 AWG, 1 Pair	19 Strand	5000FE	6000FE

## Audio Cable Solutions (continued)

### Pro Audio and Intercom Cables

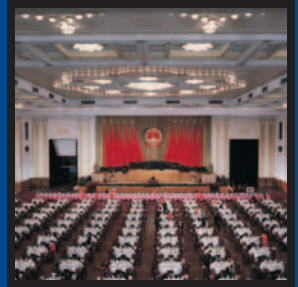
	Description	Key Attributes	Belden Part Number	
			Plenum	
	22 AWG, 2 Conductor	Bare Copper, 45 pF/ft.	<b>6500FC</b>	
	22 AWG, 4 Conductor	Shielded with Shorting Fold	<b>6502FC</b>	
	22 AWG, 2 Pair	Shielded Pairs, FEP Insulation	<b>6541PA</b>	
	22 AWG, 3 Pair	Shielded Pairs, FEP Insulation	<b>6542PA</b>	
	22 AWG, 4 Pair	Shielded Pairs, FEP Insulation	<b>6543PA</b>	
	22 AWG, 6 Pair	Shielded Pairs, FEP Insulation	<b>6545PA</b>	
	22 AWG, 8 Pair	Shielded Pairs, FEP Insulation	<b>6546PA</b>	
	22 AWG, 12 Pair	Shielded Pairs, FEP Insulation	<b>6548PA</b>	
	22 AWG, 16 Pair	Shielded Pairs, FEP Insulation	<b>6549PA</b>	
	20 AWG, 2 Conductor	Shielded with Shorting Fold	<b>6400FC</b>	
	18 AWG, 2 Pair	Shielded Pairs, FEP Insulation	<b>6341PC</b>	
	18 AWG, 3 Pair	Shielded Pairs, FEP Insulation	<b>6342PC</b>	
	18 AWG, 4 Pair	Shielded Pairs, FEP Insulation	<b>6343PC</b>	
	18 AWG, 6 Pair	Shielded Pairs, FEP Insulation	<b>6345PC</b>	
	18 AWG, 2 Conductor	Shielded with Shorting Fold	<b>6300FC</b>	
	18 AWG, 4 Conductor	Shielded with Shorting Fold	<b>6302FC</b>	

### Commercial Sound/Nurse Call Cables

	Description	Construction	Belden Part Number	
			Riser	Plenum
	Configured for Nurse Call systems	22 AWG, 4 Conductor	<b>5522UG</b>	–
	Configured for Rauland Borg Responder® IV Cable H (S-Bus)	24 AWG, 6 Conductor	<b>5624UG</b>	<b>6624UG</b>
	Configured for Rauland Borg Responder® IV Cable G (CL-Drop)	24 AWG, 8 Conductor	<b>5626UG</b>	<b>6626UG</b>
	Configured for Rauland Borg Responder® IV Cable F (J Drop), H (S-Bus), or S (Console/Receptacle)	24 AWG, 3 Pair, Category 5e	<b>5662UG</b>	<b>6662UG</b>

Responder® IV is a registered trademark of Rauland-Borg Corporation.

One Enterprise.  
One Infrastructure.  
One Partner.

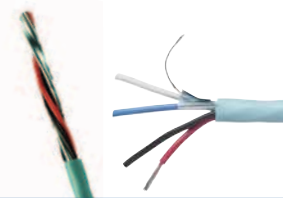


## Media Automation and Lighting Control Solutions


Automation and lighting control are growing rapidly in commercial buildings because of their ability to reduce energy consumption and cost. More sophisticated and complex systems are

often integrated with HVAC and/or security systems as well. Belden now offers cables that work seamlessly with AMX®, Lutron®, DMX®, and Crestron® systems.


### AMX® Systems

	Description	Cable Construction	Belden Part Number	
			Riser	Plenum
	Cable Configured for AXLINK™	22 AWG, 1 Shielded Pair (100Ω) + 18 AWG, 2 Conductor	1392A	1392P
	Cable Configured for DXLink™	Category 5e Cable	1212F	1213F
	Cable Configured for DXLink™	Category 6 Cable	2412F	2413F
	Cable Configured for DXLink™	10GX / Category 6A Cable	10GX62F	10GX63F

### Lutron® Systems

	Description	Cable Construction	Belden Part Number	
			Riser	Plenum
	Cable Configured for EcoSystem® System, Bus Cable	16 AWG, 2 Conductor	1382LA	1382LP
	Cable Configured for EcoSystem® System, Sensor Cable	22 AWG, 5 Conductor	1384LA	1384LP
	Cable Configured for Homeworks® and/or Grafik Eye® 3000 Systems	18 AWG, 2 Conductor + 22 AWG, 1 Shielded Pair	1385LA	1385LP
	Cable Configured for Grafik Eye® 4000/5000/6000 Systems	22 AWG, 1 Pair + 12 AWG, 2 Conductor + 18 AWG, 1 Conductor	1386LA	1386LP
	Cable Configured for Sivoia® QS Systems	18 AWG, 2 Conductor + 22 AWG, 1 Shielded Pair	1387LA	1387LP
	Cable Configured for Sivoia® QS Systems, Motor Drive Unit	22 AWG Triad + 16 AWG, 2 Conductor + 18 AWG, 1 Conductor	1388LA	–
	Cable Configured for Homeworks® and/or Sivoia® QED Systems, EDU and Keypad	18 AWG Quad + 16 AWG, 2 Conductor + 18 AWG, 1 Conductor	1389LA	–


### DMX® Systems

	Description	Cable Construction	Belden Part Number	
			Riser	Plenum
	RS-485 Cable for Theatrical Lighting Control	1 PR, 24 AWG	9841	82841
	RS-485 Cable for Theatrical Lighting Control	2 PR, 24 AWG	9842	82842
	RS-485 Cable for Theatrical Lighting Control	1 PR, 22 AWG	3105A	–
	RS-485 Cable for Theatrical Lighting Control	2 PR, 22 AWG	3107A	–

AMX, AXLINK, and DXLink are either trademarks or registered trademarks of AMX, LLC registered in the U.S. and other countries. DMX is either a trademark or a registered trademark of DMX, Inc. EcoSystem, HomeWorks, Grafik Eye, Sivoia, and Lutron are either trademarks or registered trademarks of Lutron Electronics Co., Inc.

## Media Automation and Lighting Control Solutions (continued)


### Crestron® Cresnet™ Systems

	Description	Cable Construction	Belden Part Number	
			Riser	Plenum
	Cable Configured for Cresnet	22 AWG, 1 Shielded Pair (100) + 18 AWG, 2 Conductor	1392A	1392P
	Cable Configured for Cresnet-DM	22 AWG, 1 Shielded Pair	8451	–


### Crestron Digital Media (DM) 8G™ Systems

	Description	Cable Construction	Belden Part Number			
			Riser	Plenum	RJ45 Plug	RJ-45 Crimp Tool
	Cable Configured for DM-CBL-8G	Category 5e Shielded, Nonbonded Pair	1212F	1213F	HIPMP-RJ45SH	CPRJ11-45

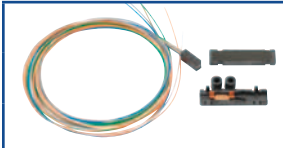
### CresFiber 8G™ Systems or HDMI over Fiber

	Description	Cable Construction	Belden Part Number			
			Riser	Plenum	Field Installable Connector OM3 / OM4 for 900 µm	
					LC	SC
	Cable Configured for CresFiber 8G	2 Graded-Index Multimode Fibers	B9E006	B9E014	AX104242-S1	AX104246-S1


### FiberExpress Patch Cords

	Description	Key Attributes	Belden Part Number
	Fiber Optic Patch Cord, Duplex Zip, 20 mm, Riser, OM4 (50 µm), LC Duplex/PC, 20 m	Low Loss	FA200147
	Fiber Optic Patch Cord, Duplex Zip, 20 mm, Riser, OM4 (50 µm), LC Duplex/PC, 30 m	Low Loss	FA200148
	Fiber Optic Patch Cord, Duplex Zip, 20 mm, Riser, OM4 (50 µm), LC Duplex/PC, 40 m	Low Loss	FA200149
	Fiber Optic Patch Cord, Duplex Zip, 20 mm, Riser, OM4 (50 µm), LC Duplex/PC, 50 m	Low Loss	FA200150
	Fiber Optic Patch Cord, Duplex Zip, 20 mm, Riser, OM4 (50 µm), LC Duplex/PC, 60 m	Low Loss	FA200151

### FiberExpress Field Breakout Kit

	Description	Belden Part Number
	6 fibers, 1/pack	AX101100
	12 fibers, 1/pack	AX101101

### FiberExpress Accessories

	Description	Belden Part Number
	Field Installation Tool Kit	AX104270
Precision Installation Tool Kit	AX104271	

Belden offers a full line of Optical Fiber Cable and Connectivity. For more information on our Optical Fiber product offering please visit [www.belden.com](http://www.belden.com) or call 1-800-Belden-1 to request an Optical Fiber Catalog.

Crestron, CresFiber, and Digital Media (DM) are trademarks or registered trademarks of Crestron Electronics, Inc in the U.S. and other countries.



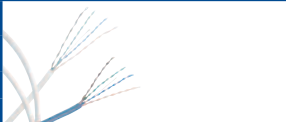
## Copper Structured Cabling Solutions

Belden Copper Networking Systems are available with the following wide range of components including cable, RJ45 plugs, cable assemblies, RJ45 connectors, patch cords and faceplates.


Below and on the following page we have included a selection of products that is most often used in Commercial AV applications. For more information on our product offering please

visit [www.belden.com](http://www.belden.com) or call **1.800.BELDEN.1** to request a Copper Networking Catalog.

### Category 5e Cables


	Description	Key Attributes	Belden Part Number			
			Riser	Plenum	RJ-45 Plug	Tool
	DataTwist 1200, Unshielded	Nonbonded Pairs	1212	1213	HIPMP-RJ45	CPRJ11-45
	DataTwist 1200, Shielded	Nonbonded Pairs	1212F	1213F	HIPMP-RJ45SH	CPRJ11-45

### Category 5e Patch Cords

	Description	Belden Part Number			
		Black	Blue	Purple	White
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	C501100002	C501106002	C501107002	C501109002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	C501100004	C501106004	C501107004	C501109004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	C501100007	C501106007	C501107007	C501109007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	C501100010	C501106010	C501107010	C501109010
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	C501100015	C501106015	C501107015	C501109015


Other lengths and colors available

### Category 5e Shielded Patch Cords


	Description	Belden Part Number			
		Blue	Gray	White	Black
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	C5F1106002	C5F1108002	C5F1109002	C5F1100002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	C5F1106004	C5F1108004	C5F1109004	C5F1100004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	C5F1106007	C5F1108007	C5F1109007	C5F1100007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	C5F1106010	C5F1108010	C5F1109010	C5F1100015
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	C5F1106015	C5F1108015	C5F1109015	C5F1100015

Other lengths and colors available

### Category 6 Cables

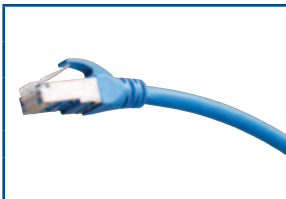
	Description	Key Attributes	Belden Part Number			
			Riser	Plenum	RJ-45 Plug	Tool
	DataTwist 2400, Unshielded	Nonbonded Pairs	2412	2413	HIPMP-RJ45CAT6	CPRJ11-45
	DataTwist 2400, Shielded	Nonbonded Pairs	2412F	2413F	HIPMP-RJ45CAT6SH	CPRJ11-45

### Category 6 Patch Cords

	Description	Belden Part Number			
		Black	Blue	Purple	White
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	C601100002	C601106002	C601107002	C601109002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	C601100004	C601106004	C601107004	C601109004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	C601100007	C601106007	C601107007	C601109007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	C601100010	C601106010	C601107010	C601109010
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	C601100015	C601106015	C601107015	C601109015

Other lengths and colors available


### Category 6 Shielded Patch Cords

	Description	Belden Part Number			
		Blue	Gray	White	Black
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	C6F1106002	C6F1108002	C6F1109002	C6F1100002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	C6F1106004	C6F1108004	C6F1109004	C6F1100004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	C6F1106007	C6F1108007	C6F1109007	C6F1100007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	C6F1106010	C6F1108010	C6F1109010	C6F1100010
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	C6F1106015	C6F1108015	C6F1109015	C6F1100015


Other lengths and colors available

## Copper Structured Cabling Solutions (continued)

### Category 6A Cables – 10GX


	Description	Key Attributes	Belden Part Number	
			Riser	Plenum
	10GX, Unshielded	Bonded Pairs	10GX32	10GX33
	10GX, Shielded	Bonded Pairs	10GX62F	10GX63F

### Category 6A Patch Cords – 10GX

	Description	Belden Part Number			
		Black	Blue	Purple	White
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	CA21100002	CA21106002	CA21107002	CA21109002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	CA21100004	CA21106004	CA21107004	CA21109004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	CA21100007	CA21106007	CA21107007	CA21109007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	CA21100010	CA21106010	CA21107010	CA21109010
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	CA21100015	CA21106015	CA21107015	CA21109015

Other lengths and colors available

### Category 6A Shielded Patch Cords

	Description	Belden Part Number			
		Blue	Gray	White	Black
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 2 ft. (0.6 m)	CAF1100002	CAF1106002	CAF1108002	CAF1109002
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 4 ft. (1.2 m)	CAF1100004	CAF1106004	CAF1108004	CAF1109004
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 7 ft. (2.1 m)	CAF1100007	CAF1106007	CAF1108007	CAF1109007
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 10 ft. (3.0 m)	CAF1100010	CAF1106010	CAF1108010	CAF1109010
	4-pair, 24 AWG Solid, T568A/B - T568A/B, CMR, 15 ft. (4.6 m)	CAF1100015	CAF1106015	CAF1108015	CAF1109015

Other lengths and colors available

One Enterprise.  
One Infrastructure.  
One Partner.



## Fiber Structured Cabling Solutions

In some applications, even our precision digital coaxes can't go far enough. No problem! We just proceed to our fiber optic cable offering. Below are the commonly used fiber products in commercial AV applications. Our full fiber optic

product line includes single mode, multi-mode and halogen-free and PUR versions as well as tactical fiber and SMPTE 311M cable.

If you've dealt with copper your whole career,

there's no reason anymore to be scared of fiber. Belden now offers a fiber termination kit, and fiber connectors for both multi-mode and single mode fiber. In only a few hours, anyone can learn to put on these connectors in just a couple of minutes.

### FiberExpress Multi-mode Fiber Cable

Description	Belden Part Number					
	Riser	Plenum	Field Installable Connector OM3 / OM4 for 900 μm			
			LC		SC	
			Single	Bulk (25)	Single	Bulk (25)
6 Fiber Indoor Distribution Tight Buffer	B9X039	B9X045	AX104242-S1	AX104242-B25	AX104246-S1	AX104246-B25
24 Fiber Indoor Distribution Tight Buffer	B9X601	B9X611	AX104242-S1	AX104242-B25	AX104246-S1	AX104246-B25

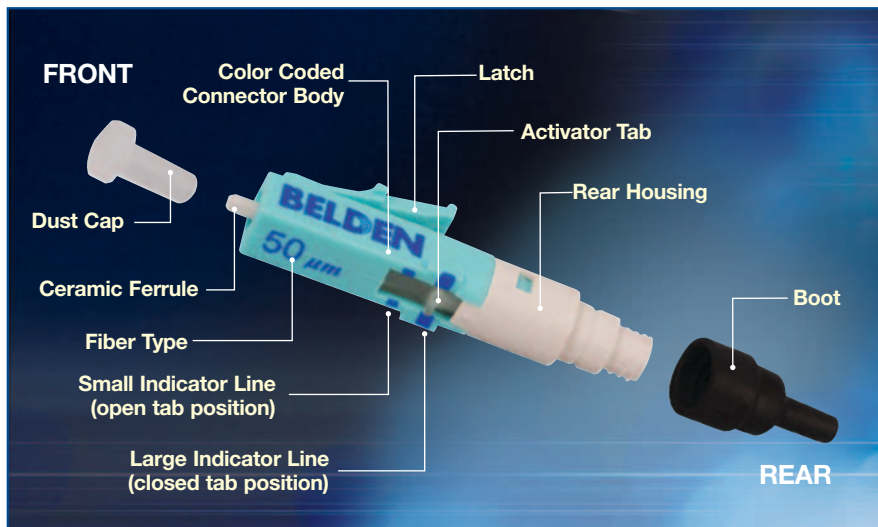
Belden offers a full line of Optical Fiber Cable and Connectivity. For more information on our Optical Fiber product offering please visit [www.belden.com](http://www.belden.com) or call 1-800-Belden-1 to request an Optical Fiber Catalog.

Where X is replaced by:

OM1	OM2	OM3	OM4	Single-mode
B	A	C	E	W

Other connectors and connector types are available to support different cable grades and applications

### FiberExpress Brilliance Connectors



The FiberExpress Brilliance connector offers installers and end-users alike the fastest, simplest, most cost-effective and reliable field-installable connector in the industry.

### Three Simple Steps



## Coaxial Connectivity Solutions

Belden is the brand professional cable installers trust as a world-class manufacturer of signal transmission products and connectivity solutions. Belden offers quality products to provide superior signal performance for the Professional Audio-Video, Security, and Satellite/CATV

markets. The ProSNS™/FS Series and Double Bubble™ connector brands feature F, RCA and BNC connectors for RG11, RG6, RG59 and RGB/Mini Coax for standard through quad-shield (universal) and plenum cables. These connector brands, coupled with Cable Pro compression

and cable prep tools and Belden cables, are all designed specifically to maximize signal integrity, ensure quality, performance and durability while providing customers with unparalleled end-to-end performance.

### BNC Compression Video Connectors

Image	Description	Cable Type	Impedance (ohms)	Color Band	Belden Part Number			
					ProSNS Tool	ProSNS	DB Tool	DB
	1-Piece BNC Compression Connector for 24-26AWG Cable	Mini Coax	75	Orange	CPLCCT-SLM	<b>FS1BNC*</b>	CPLCRBC-BR	<b>DB1BNC*</b>
	Multi-Piece BNC Compression Connector for 24-26AWG Cable	Mini Coax	75	Orange	CPLCCT-SLM	<b>FSBNC1RGB</b>	CPLCRBC-BR	-
	Right Angle BNC Compression Connector for 24-26AWG Cable	Mini Coax	75	Orange	CPLCCT-SLM	<b>FSBNC1RA</b>	CPLCRBC-BR	-
	Splice BNC Compression Connector for 24-26AWG Cable	Mini Coax	75	Orange	CPLCCT-SLM	<b>FS1BNCSSST</b>	CPLCRBC-BR	-
	1-Piece BNC Compression Connector for 22-24AWG Cable	Mini Coax	75	Purple	CPLCCT-SLM	<b>FS15BNC*</b>	CPLCRBC-BR	<b>DB15BNCHD</b>
	Multi-Piece BNC Compression Connector for 22-24AWG Cable	Mini Coax	75	Purple	CPLCCT-SLM	<b>FSBNC15RGB</b>	CPLCRBC-BR	-
	Right Angle BNC Compression Connector for 22-24AWG Cable	Mini Coax	75	Purple	CPLCCT-SLM	<b>FSBNC15RA</b>	CPLCRBC-BR	-
	Splice BNC Compression Connector for 22-24AWG Cable	Mini Coax	75	Purple	CPLCCT-SLM	<b>FS15BNCSSST</b>	CPLCRBC-BR	-
	Universal BNC Compression Connector for Standard through Quad-Shield Cable	RG-59	75	Red	CPLCCT-SLM	<b>FSNS59BNCU</b>	CPLCRBC-BR	<b>DB59BNCU</b>
	BNC Compression Connector for RG-59 Plenum Cable	RG-59	75	Red	CPLCCT-SLM	<b>FS59BNCPL</b>	CPLCRBC-BR	-
	BNC Compression Connector for RG-59 Plenum Size 2 Cable* (most common)	RG-59	75	Red	CPLCCT-SLM	<b>FS59BNCPL2</b>	CPLCRBC-BR	<b>DB59BNCPL2/4</b>
	BNC Compression Connector for RG-59 Plenum Size 3 Cable	RG-59	75	Red	CPLCCT-SLM	<b>FS59BNCPL3</b>	CPLCRBC-BR	<b>DB59BNCPL3</b>
	BNC Compression Connector for RG-59 Plenum Size 4 Cable	RG-59	75	Red	CPLCCT-SLM	<b>FS59BNCPL4</b>	CPLCRBC-BR	<b>DB59BNCPL2/4</b>
	Universal BNC Right Angle Compression Connector	RG-59	75	Red	CPLCCT-SLM	<b>FSBNC59URA</b>	CPLCRBC-BR	-
	Universal BNC Splice Compression Connector	RG-59	75	Red	CPLCCT-SLM	<b>FS59BNCUS</b>	CPLCRBC-BR	-
	Universal BNC Compression Connector for Standard through Quad-Shield Cable	RG-6	75	Green	CPLCCT-SLM	<b>FSNS6BNCU</b>	CPLCRBC-BR	<b>DB6BNCU</b>
	BNC Compression Connector for RG-6 Plenum Cable	RG-6	75	Green	CPLCCT-SLM	<b>FS6BNCPL</b>	CPLCRBC-BR	-
	BNC Compression Connector for RG-6 Plenum Size 2 Cable* (most common)	RG-6	75	Green	CPLCCT-SLM	<b>FS6BNCPL2</b>	CPLCRBC-BR	<b>DB6BNCPL2</b>
	Universal BNC Right Angle Compression Connector	RG-6	75	Green	CPLCCT-SLM	<b>FSBNC6URA</b>	-	-
	Universal BNC Splice Compression Connector	RG-6	75	Green	CPLCCT-SLM	<b>FS6BNCUS</b>	-	-
	Universal BNC Connector for Standard through Quad-Shield Cable	RG-11	75	Black	SNSUNI	<b>FSNS11HBNC</b>	-	-
	BNC Compression Connector for RG-11 Plenum Cable	RG-11	75	Gray	SNSUNI	<b>FSNS11HBNC-PLA</b>	-	-
BNC Compression Connector for RG-11 Quad-Shield Cable	RG-11	75	Purple	SNSUNI	<b>FSNS11QBNC</b>	-	-	

\*1-Piece mini coax connectors are designed for solid center conductor wire only

Belden offers RCA connectors for most coaxial cable constructions including the cables referenced in the chart above. For more information on available RCA connectors, please call 1-800-BELDEN-1.





## Coaxial Connectivity Solutions (continued)

### F Compression Video Connectors

	Description	Cable Type	Impedance (ohms)	Color Band	Adapter Tip	ProSNS Tool	Part Number		
							ProSNS	DB Tool	DB
	1-Piece F Compression Connector for 22-24AWG Cable	Mini Coax	75	Purple	LMTIP-S	CPLCCT-SLM	FS15*	CPLCRBC-BR	DB15
	Universal F Compression Connector for Standard through Quad-Shield Cable	RG-59	75	Red	LMTIP-S	CPLCCT-SLM	FSNS59U	CPLCRBC-BR	DB59U
	F Compression Connector for RG-59 Plenum Cable	RG-59	75	Red	LMTIP-S	CPLCCT-SLM	FS59BPL	CPLCRBC-BR	-
	F Compression Connector for RG-59 Plenum Size 2 Cable	RG-59	75	Red	LMTIP-S	CPLCCT-SLM	FS59PL2	CPLCRBC-BR	DB59PL2/4
	F Compression Connector for RG-59 Plenum Size 4 Cable	RG-59	75	Red	LMTIP-S	CPLCCT-SLM	FS59PL4	CPLCRBC-BR	DB59PL2/4
	Universal F Right Angle Compression Connector	RG-59	75	Red	LMTIP-RA	CPLCCT-SLM	FS59URA	CPLCRBC-BR	-
	Universal F Splice Compression Connector	RG-59	75	Red	LMTIP-WP	CPLCCT-SLM	FS59US	CPLCRBC-BR	-
	Universal F Compression Connector for Standard through Quad-Shield Cable	RG-6	75	Green	LMTIP-S	CPLCCT-SLM	FSNS6U	CPLCRBC-BR	DB6U
	F Compression Connector for RG-6 Plenum Cable	RG-6	75	Green	LMTIP-S	CPLCCT-SLM	FS6PL	CPLCRBC-BR	-
	F Compression Connector for RG-6 Plenum Size 2 Cable	RG-6	75	Green	LMTIP-S	CPLCCT-SLM	FS6PL2	CPLCRBC-BR	DB6PL2
	Universal F Right Angle Compression Connector	RG-6	75	Green	LMTIP-RA	CPLCCT-SLM	FS6URA	CPLCRBC-BR	-
	Universal F Splice Compression Connector	RG-6	75	Green	LMTIP-WP	CPLCCT-SLM	FS6BUS	CPLCRBC-BR	-
	7/16" Universal F Compression Connector for Standard through Quad-Shield Cable	RG-11	75	Black	-	CPLCCT-LS59/11	716SNS1P11H	CPLCRBC-BR	-
	7/16" F Compression Connector for RG-11 Plenum Cable	RG-11	75	Gray	-	CPLCCT-LS59/11	716SNS1P11HPLA	CPLCRBC-BR	-
	7/16" F Compression Connector for RG-11 Quad-Shield Cable	RG-11	75	Purple	-	CPLCCT-LS59/11	716SNS1P11HQ	CPLCRBC-BR	-
	7/16" F Right Angle Compression Connector for Standard through Quad-Shield Cable	RG-11	75	Black	-	CPLCCT-LS59/11	90SNS1P11H	CPLCRBC-BR	-
	9/16" Universal F Connector for Standard through Quad-Shield Cable	RG-11	75	Black	-	CPLCCT-LS59/11	SNS1P11H	CPLCRBC-BR	-

\*1-Piece mini coax connectors are designed for solid center conductor wire only


Belden offers RCA connectors for most coaxial cable constructions including the cables referenced in the above chart. For more information on available RCA connectors, please call 1-800-BELDEN-1.

## Modular Plugs


Belden offers a series of RJ45 Category 6 and Category 5e Modular Plugs as an accessible, easy-to-use solution to terminate twisted pair and multi-conductor flat cable for security, audio/

video and broadcast applications where field installation is necessary. Belden modular plugs are designed for Belden category cable to optimize performance quality.


### Category 5e Modular Plugs

	Description	Color	Tool Required	Belden Part Number
	RJ45 Category 5e Non-Shielded Modular Plug w/50 Micron Gold Contacts	Clear	CPRJ11-45	HIPMP-RJ45
	RJ45 Category 5e Shielded Modular Plug w/50 Micron Gold Contacts	Nickel	CPRJ11-45	HIPMP-RJ45SH

### Category 6 Modular Plugs

	Description	Color	Tool Required	Belden Part Number
	RJ45 Category 6 Non-Shielded Modular Plug w/50 Micron Gold Contacts	Clear	CPRJ11-45	HIPMP-RJ45CAT6
	RJ45 Category 6 Shielded Modular Plug w/50 Micron Gold Contacts	Nickel	CPRJ11-45	HIPMP-RJ45CAT6SH
	RJ45 Category 6 Shielded Modular Plug w/Grounding Tabs	Nickel	CPRJ11-45	HIPMP-RJ45CAT6GC
	DataTuff® Industrial Ethernet Ruggedized RJ45 Category 6 Shielded Modular Plug Kit UTP/STP, T568A	Nickel	NO TOOL REQUIRED	R301601 000S1
	DataTuff® Industrial Ethernet Ruggedized RJ45 Category 6 Shielded Modular Plug Kit UTP/STP, T568B	Nickel	NO TOOL REQUIRED	R301602 000S1

### Modular Strain Relief Boots

	Description	Color	Tool Required	Belden Part Number
	Strain Relief, Snagless Over Boot, 6 mm	Black	NO TOOL REQUIRED	SLS-RJ45-6.0
	Strain Relief, Snagless Over Boot, 7 mm	Black	NO TOOL REQUIRED	SLS-RJ45-7.0
	Strain Relief, Crimpable Snagless Over Boot, 5.7 mm	Black	CPRJ11-45	SLS-RJ45CR-5.7
	Strain Relief, Crimpable Snagless Over Boot, 6.3 mm	Black	CPRJ11-45	SLS-RJ45CR-6.3

## Strip & Crimp Tool for Modular Plugs

The Belden Cable Pro Strip and Crimp tool is designed as a multi-functional tool with the ability to cut, strip and terminate category cable for RJ11 and RJ45 modular plug installations. The tool features a cable stop to ensure a precise 1/4" or 1/2" prep to the cable depending on the job

requirement and user preference. Installation is quick and easy to manage, since there is no need to carry multiple tools or die sets with the Strip and Crimp tool.

- Cuts, strips and terminates category cable without changing die sets or tools

- Terminates RJ11 and RJ45 modular plugs
- Short cable stop creates 1/4" cable prep
- Long cable stop creates 1/2" cable prep
- Comfort-grip handles

### Strip & Crimp Tool for Modular Plugs

	Description	Belden Part Number
	Crimp and Strip Tool for RJ11 (6 Position) and RJ45 (8 Position) Modular Plugs	SLS-RJ45CR



## Rack and Enclosure Systems

Belden enclosures and racks are designed to meet the unique requirements of Commercial AV applications. These enclosures provide the flexibility and versatility needed to house and protect servers and other delicate electronic equipment, and allow the right amount of room needed for proper functioning. Key features include:

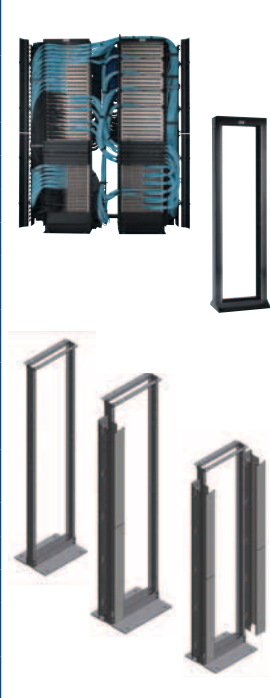
- Welded frame construction on enclosures for greater strength and support
- Numerous top and bottom entry points for easy configuration
- Cable access top features a 14.25" x 4" rubber gland which helps prevent dust from entering the enclosure
- Sliding rails can be adjusted after installation to allow for cable management and different depths of equipment without removing terminated equipment
- EIA rails are numbered in rack space increments
- Perforated tops and cooling devices, perforated and vented doors, plus a variety of top panel options provide effective passive convection cooling
- Electronic locks on door handles for added enclosure level security
- Power distribution units with locking receptacles

## Free Standing Enclosures

	Description (H x W x D)	Model	RU'S	Width (in)	Depth (in)	Belden Part Number
	84" x 29" x 30" Black, 19" mounting, vented top, perforated front & rear doors with sides	XST	25, 39, 42, 45	29	30	XST84-3-154420
	84" x 29" x 34" Black, 19" mounting, vented top, perforated front & rear doors with sides	XDP	25, 39, 42, 45	29	34	XDP84-3-154420
	47U x 19.19" x 24" Black, 19" mounting, frame only	XSF	10-48	19.19	18,24,30	XSF47-24-100000
	45U x 22" x 24" Black, 19" mounting, vented top, vented front & rear doors with flush mount sides	XMF	11-57	22	24,30,36,40	XMF4524122220
	44U x 22" x 26" Black, 19" mounting, vented top, solid rear door with sides	XME	24-44	22	20,26.5	XME442620210
	44U x 22" x 32" Black, 19" mounting, solid top, perforated front & rear doors with solid sides	XMER	24-44	22	26.5, 31.5, 36	XMER443113320
	45U x 24" x 42", Black, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X1S	42,45,48	24	42	X1S45-C0110
	45U x 24" x 42" Central office white, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X1S	42,45,48	24	42	X1S45-C0210
	45U x 24" x 48" Black, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X2S	42,45,48	24	48	X2S45-C0130
	45U x 24" x 48" Central office white, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X2S	42,45,48	24	48	X2S45-C0230
	45U x 30" x 42" Black, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X3S	42,45,48	30	42	X3S45-C0150
	45U x 30" x 42" Central office white, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X3S	42,45,48	30	42	X3S45-C0250
	45U x 30" x 48" Black, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X4S	42,45,48	30	48	X4S45-C0170
	45U x 30" x 48" Central office white, square hole mounting rails, brush panel rear top, perforated front door, perforated rear door, two sets of solid side panels, solid bottom panel with brush opening	X4S	42,45,48	30	48	X4S45-C0270

## Rack and Enclosure Systems (continued)

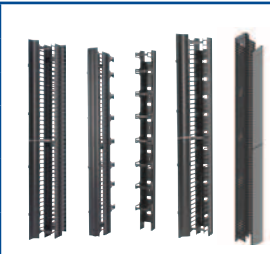
### 2 and 4 Post Racks



Description (H x W x D)	Model	RU	Width (in)	Depth (in)	Screw	Type	Belden Part Number
84" x 19" x 3" Channel Knock down	BHRR	45	19	-	12-24	Alum	<b>BHRR194</b>
84" x 19" x 6" Channel Knock down	BHRR	45	19	-	12-24	Alum	<b>BHRR6194</b>
84" x 23" x 3" Channel Knock down	BHRR	45	23	-	12-24	Alum	<b>BHRR234</b>
84" x 19" x 3" Channel Knock down	XDR	44	19	-	12-24	Steel	<b>XDR8419-312</b>
84" x 19" x 3" Channel Knock down	XDR	44	19	-	10-32	Steel	<b>XDR8419-310</b>
84" x 19" x 3" Channel Knock down	XDR	44	19	-	10-32	Steel	<b>XDR8419-310N</b>
84" x 19" x 3" Channel Knock down w/Vertical Manager (1)	XDR	44	19	-	10-32	Steel	<b>XDR8419-310N1M</b>
84" x 19" x 3" Channel Knock down w/Vertical Managers (2)	XDR	44	19	-	10-32	Steel	<b>XDR8419-310N2M</b>
84" x 19" x 3" Channel Knock down	XDR	44	19	-	12-24	Steel	<b>XDR8419-312N</b>
84" x 19" x 3" Channel Knock down w/Vertical Manager (1)	XDR	44	19	-	12-24	Steel	<b>XDR8419-312N1M</b>
84" x 19" x 3" Channel Knock down w/Vertical Managers (2)	XDR	44	19	-	12-24	Steel	<b>XDR8419-312N2M</b>
84" x 19" x 3" Channel Welded	XDR	44	19	-	10-32/12-24	Steel	<b>XDR8419-3##W</b>
84" x 23" x 3" Channel Welded	XDR	44	23	-	10-32/12-24	Steel	<b>XDR8423-3##W</b>
84" x 19" x 6" Seismic	XDR	44	19	-	10-32	Steel	<b>XDRS8419-610</b>
84" x 19" x 3" Channel 4 Post Knock down	XDR	44	19	24,28,32,36	10-32/12-24	Steel	<b>XDR8419-3##XX</b>
84" x 23" x 3" Channel 4 Post Knock down	XDR	44	23	24,28,32,36	10-32/12-24	Steel	<b>XDR8423-3##XX</b>

## = Screw size variable 10=10-32, 12=12-24 Screws. XX = Depth - Depth 24, 28, 32, 36

### Vertical Cable Managers



Description	Model	Width (in)	Depth (in)	Belden Part Number
Single Sided Vertical organizer low density	BHVL	3.6,6,10,12	8.75	<b>BHVL0XX</b>
Single Sided Vertical organizer high density	BHVH	3.6,6,10,12	8.75	<b>BHVH0XX</b>
Double Sided Vertical organizer high/low density	BHVHL	3.6,6,10,12	17.37	<b>BHVHLXX</b>
Double Sided Vertical organizer high/high density	BHVHH	3.6,6,10,12	17.37	<b>BHVHHXX</b>
Vertical manager with cover 4"W x 4"D (for 84" 2 Post rack)	VCM	4	4	<b>VCMFDR4X4</b>


XX = Width Variable 03=3.6", 06=6", 10=10", 12=12"

One Enterprise.  
One Infrastructure.  
One Partner.



## Rack and Enclosure Systems (continued)

### Wall Mount Enclosures

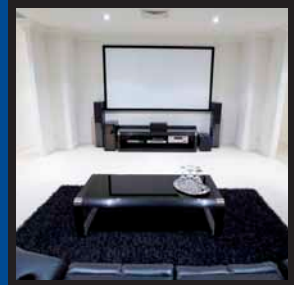
	Description	Model	RU'S	Width (in)	Depth (in)	Belden Part Number
	21" W x 20.125" H x 22.875" D, black, glass door with lock – no removable side panels	XWM	9	21	22.875	<b>XWM-2109-GD</b>
	21" W x 20.125" H x 22.875" D, black, solid door with lock – no removable side panels	XWM	9	21	22.875	<b>XWM-2109-SD</b>
	23" W x 25.250" H x 27.5" D, black, glass door with lock – removable side panels	XWM	12	23	27.5	<b>XWM-2312-GD</b>
	23" W x 25.250" H x 27.5" D, black, solid door with lock – removable side panels	XWM	12	23	27.5	<b>XWM-2312-SD</b>
	23" W x 39.250" H x 27.5" D, black, glass door with lock – removable side panels	XWM	20	23	27.5	<b>XWM-2320-GD</b>
	23" W x 39.250" H x 27.5" D, black, solid door with lock – removable side panels	XWM	20	23	27.5	<b>XWM-2320-SD</b>

Consult Belden Cable Management Catalog to access enclosure configuration matrix and accessories listing. NEMA compliant enclosures also available.

## Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
5T00UP	7	1394R	4	5240U1	8	6301FE	9	7987P	5
6T00UP	7	1395P	4	5300FE	9	6301UE	7	7987R	5
10GX32	14	1395R	4	5300UE	7	6302FC	10	7988P	5
10GX33	14	1396P	4	5300UP	7	6302UE	7	7988R	5
10GX62F	11, 14	1396R	4	5301FE	9	6320FE	9	8451	12
10GX63F	11, 14	1397S5	4	5301UE	7	6320UE	7	9116	5
90SNS1P11H	17	1398S5	4	5302UE	7	6321UE	7	9116P	5
716SNS1P11H	17	1399P	3	5302UP	7	6322UE	7	9841	11
716SNS1P11HPLA	3, 5, 17	1399R	3	5320FE	9	6341PC	10	9842	11
716SNS1P11HQ	17	1523A	5	5320UE	7	6342PC	10	82841	11
716SNS1P114	5	1523AP	5	5321UE	7	6343PC	10	82842	11
1189A	5	1613B	5	5322UE	7	6345PC	10	301602	5
1189AP	5	1807A	5	5400FE	9	6400FC	10	AC303574	5
1212	13	1808A	5	5400UE	7	6400FE	9	AC303575	5
1212F	11, 12, 13	2412	13	5401FE	9	6400UE	7	AC303576	5
1213	13	2412F	11, 13	5401UE	7	6401FE	9	AC303584	5
1213F	11, 12, 13	2413	13	5421FE	9	6401UE	7	AC303585	5
1307A	8	2413F	11, 13	5500UE	7	6421FE	9	AC303586	5
1308A	8	3105A	11	5501FE	9	6500FC	10	AX100784	8
1309A	8	3107A	11	5501UE	7	6500FE	9	AX101100	12
1310A	8	5000FE	9	5520FE	9	6500PE	9	AX101101	12
1311A	8	5000U1	8	5520UE	7	6500UE	7	AX104242-B25	15
1312A	8	5000UE	7	5521FE	9	6501FE	9	AX104242-S1	12
1313A	8	5000UP	7	5521UE	7	6501UE	7	AX104246-B25	15
1369P	3	5001UE	7	5522UE	7	6502FC	10	AX104246-S1	12
1369R	3	5002U1	8	5522UG	10	6520FE	9	AX104270	12
1370P	3	5002UE	7	5624UG	10	6520UE	7	AX104271	12
1370R	3	5002UP	7	5626UG	10	6521FE	9	B9E006	12
1371P	3	5040U1	8	5662UG	10	6521UE	7	B9E014	12
1371R	3	5100FE	9	5788AV	4	6522UE	7	BEL-HDBASET	6
1382LA	11	5100U1	8	6000FE	9	6541PA	10	BHRR194	19
1382LP	11	5100UE	7	6000UE	7	6542PA	10	BHRR234	19
1384LA	11	5100UP	7	6001UE	7	6543PA	10	BHRR6194	19
1384LP	11	5101FE	9	6002UE	7	6545PA	10	BHVH0XX	20
1385LA	11	5101UE	7	6100FE	9	6546PA	10	BHVHXX	20
1385LP	11	5102U1	8	6100UE	7	6548PA	10	BHVHXX	20
1386LA	11	5102UE	7	6101FE	9	6549PA	10	BHVLOXX	20
1386LP	11	5102UP	7	6101UE	7	6624UG	10	C5F1100002	13
1387LA	11	5140U1	8	6102UE	7	6626UG	10	C5F1100004	13
1387LP	11	5200FE	9	6200FE	9	6662UG	10	C5F1100007	13
1388LA	11	5200UE	7	6200UE	7	6788AV	4	C5F1100015	13
1389LA	11	5200UP	7	6201FE	9	7700A	5	C5F1106002	13
1392A	11, 12	5201FE	9	6201UE	7	7909A	4	C5F1106004	13
1392P	11, 12	5201UE	7	6202UE	7	7910A	4	C5F1106007	13
1393P	4	5202U1	8	6300FC	10	7911A	4	C5F1106010	13
1393R	4	5202UE	7	6300FE	9	7912A	4	C5F1106015	13
1394P	4	5202UP	7	6300UE	7	7913A	4	C5F1108002	13

One Enterprise.  
One Infrastructure.  
One Partner.



## Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
C5F1108004	13	C501109010	13	CAF1106002	14	FS15BNCST	16	RGSPURA	8
C5F1108007	13	C501109015	13	CAF1106004	14	FS59BNCPL	16	SLS-RJ45-6.0	18
C5F1108010	13	C601100002	13	CAF1106007	14	FS59BNCPL2	3, 16	SLS-RJ45-7.0	18
C5F1108015	13	C601100004	13	CAF1106010	14	FS59BNCPL3	16	SLS-RJ45CR	18
C5F1109002	13	C601100007	13	CAF1106015	14	FS59BNCPL4	16	SLS-RJ45CR-5.7	18
C5F1109004	13	C601100010	13	CAF1108002	14	FS59BNCUS	16	SLS-RJ45CR-6.3	18
C5F1109007	13	C601100015	13	CAF1108004	14	FS59BPL	17	SNS1P11H	17
C5F1109010	13	C601106002	13	CAF1108007	14	FS59PL2	17	SNSUNI	3
C5F1109015	13	C601106004	13	CAF1108010	14	FS59PL4	17	VCMFDR4X4	20
C6F1100002	13	C601106007	13	CAF1108015	14	FS59URA	17	X1S45-C0110	20
C6F1100004	13	C601106010	13	CAF1109002	14	FS59US	17	X1S45-C0210	20
C6F1100007	13	C601106015	13	CLPLCRBC-B	5	FSBNC1RA	16	X2S45-C0130	20
C6F1100010	13	C601107002	13	CPLCCT-LS59/11	3, 5	FSBNC1RGB	16	X2S45-C0230	20
C6F1100015	13	C601107004	13	CPLCCT-SLMR	3, 4	FSBNC6URA	16	X3S45-C0150	20
C6F1106002	13	C601107007	13	CPLCCT-SLMR	8	FSBNC15RA	16	X3S45-C0250	20
C6F1106004	13	C601107010	13	CPLCCTSLM-R	8	FSBNC15RGB	16	X4S45-C0170	20
C6F1106007	13	C601107015	13	CPLCRBC-B	5	FSBNC59URA	16	X4S45-C0270	20
C6F1106010	13	C601109002	13	CPLCRBC-BR	16, 17	FSNS6BNCU	4, 16	XDP84-3-154420	20
C6F1106015	13	C601109004	13	CPRJ11-45	12, 13, 18	FSNS6U	17	XDR8419-3##W	19
C6F1108002	13	C601109007	13	DB1BNC	16	FSNS11BNCU	3	XDR8419-3##XX	19
C6F1108004	13	C601109010	13	DB6BNCPL2	16	FSNS11HBNC	16	XDR8419-310	19
C6F1108007	13	C601109015	13	DB6BNCU	16	FSNS11HBNCPLA	16	XDR8419-310N	19
C6F1108010	13	CA21100002	14	DB6PL2	5, 17	FSNS11QHBNC	16	XDR8419-310N1M	19
C6F1108015	13	CA21100004	14	DB6U	5, 17	FSNS59BNCU	16	XDR8419-310N2M	19
C6F1109002	13	CA21100007	14	DB15	17	FSNS59U	17	XDR8419-312	19
C6F1109004	13	CA21100010	14	DB15BNCHD	16	HD2001	6	XDR8419-312N	19
C6F1109007	13	CA21100015	14	DB59BNCPL2/4	16	HD2002	6	XDR8419-312N1M	19
C6F1109010	13	CA21106002	14	DB59BNCPL3	16	HD2003	6	XDR8419-312N2M	19
C6F1109015	13	CA21106004	14	DB59BNCU	16	HD2004	6	XDR8423-3##W	19
C501100002	13	CA21106007	14	DB59PL2/4	17	HD2007	6	XDR8423-3##XX	19
C501100004	13	CA21106010	14	DB59U	17	HIPMP-RJ45	12, 13, 18	XDR8419-610	19
C501100007	13	CA21106015	14	FA200147	12	HIPMP-RJ45CAT6	13, 18	XME442620210	20
C501100010	13	CA21107002	14	FA200148	12	HIPMP-RJ45CAT6GC	18	XMER443113320	20
C501100015	13	CA21107004	14	FA200149	12	HIPMP-RJ45CAT6SH	13, 18	XMF4524122220	20
C501106002	13	CA21107007	14	FA200150	12	HIPMP-RJ45SH	12, 13, 18	XSF47-24-100000	20
C501106004	13	CA21107010	14	FA200151	12	IP-RECEIVE	6	XST84-3-154420	20
C501106007	13	CA21107015	14	FS1BNC	4	IP-XMIT	6	XWM-2109-GD	21
C501106010	13	CA21109002	14	FS1BNCST	16	PS-11	5	XWM-2109-SD	21
C501106015	13	CA21109004	14	FS6BNCPL	16	PS11	3	XWM-2312-GD	21
C501107002	13	CA21109007	14	FS6BNCPL2	3, 16	PS59/6/RGB	3, 4	XWM-2312-SD	21
C501107004	13	CA21109010	14	FS6BNCUS	16	PSA59/6	3, 4, 5	XWM-2320-GD	21
C501107007	13	CA21109015	14	FS6BUS	17	R301601 000S1	18	XWM-2320-SD	21
C501107010	13	CAF1100002	14	FS6PL	17	R301602 000S1	18		
C501107015	13	CAF1100004	14	FS6PL2	17	RGSPB	8		
C501109002	13	CAF1100007	14	FS6URA	17	RGSPPL	8		
C501109004	13	CAF1100010	14	FS15	17	RGSPPP	8		
C501109007	13	CAF1100015	14	FS15BNC	3, 16	RGSPU	8		

**GLOBAL LOCATIONS**

For worldwide Enterprise Sales  
and Technical Support, visit:  
[www.belden.com](http://www.belden.com)



**UNITED STATES**

**Division Headquarters—Americas**

2200 U.S. Highway 27 South  
Richmond, IN 47374  
**Phone: 765-983-5200**  
Inside Sales: 800-235-3361  
Fax: 765-983-5294  
[info@belden.com](mailto:info@belden.com)  
web: [www.belden.com](http://www.belden.com)

**CANADA**

**National Business Center**

2280 Alfred-Nobel  
Suite 200  
Saint-Laurent, QC  
Canada H4S 2A4  
**Phone: 514-822-2345**  
Fax: 514-822-7979

**LATIN AMERICA and the  
CARIBBEAN ISLANDS**

**Regional Office**

Insurgentes Sur # 800 Piso 9  
Col- Del Valle  
México, D.F.  
**Phone: (52) 55-5523-7733**  
Fax: 55-5523-8077  
[salesmex@belden.com](mailto:salesmex@belden.com)