

To ensure optimum security and audio system performance, be sure to use Belden New Generation® cables. This product line represents one of the largest, most economical and up-to-date selections of multi-conductor and coaxial products on the market today: A full complement of cables for access control, CCTV, burglar alarm, fire alarm, intercom, public address, and other security and audio applications - complete with water-blocked options for installation in intermittently wet environments.

New Generation offers installer friendly features:

- NEC riser and plenum rated; UL and cUL listed as applicable
- A unique composite cable design, Access Control Banana Peel, reduces installation time and labor costs
- Belden's well-known quality and 10-year Product Warranty
- Rip cords for easy jacket removal; sequential footage markings on the jacket eliminate guesswork and waste

New Generation Security and Audio Cable Ordering Information

To use the configuration matrix, make a selection from each category and combine to form a custom part number. See examples below.

Part number example from configuration shown below:

6304FE

6		3		0		4		F		E	
Location		AWG Size		Conductor Type		# of Conductors		Shielding		Application	
5	Non-Plenum	E	8	0	Stranded multi-conductor	0	2 conductors	C	Foil plus 85% braid, overall (m/c, pairs)	1	Water-blocked multi-conductor
6	Plenum	T	10	2	Solid multi-conductor	1	3 conductors or 2 pairs	F	Overall foil w/ drain (m/c or multipair)	A	FEP insulation Teflon® jacket, plenum cable
		0	12	4	Stranded paired conductor	2	4 conductors or 3 pairs	G	One foil shielded pair w/ drain (m/c, pair(s) combo)	C	Halar® jacket, plenum cable
		1	14	6	Solid paired conductor	3	5 conductors or 4 pairs	H	SPOS – shielded pairs and O/A foil shield	E	Power limited communication cable, high capacitance
		2	16	8	Composite cable	4	6 conductors	P	Individual shielded pairs with drain (multipairs)	G	Non-riser rated, may be un-cabled
		3	18			5	7 conductors or 6 pairs	U	Unshielded (m/c, pairs)	J	Power limited fire protective, mid capacitance, or outer jacket on composite cable
		4	20			6	8 conductors	M	Mixed shielded/unshielded combo (only Banana Peel)	K	Fire alarm, Halar® / Flamarrrest®, mid capacitance
		5	22			7	9 conductors or 9 pairs			L	Power limited fire protective, high capacitance
		6	24			8	10 conductors or 12 pairs			N	PVC nylon insulation, NPLF rated
						9	12 conductors			P	High strand audio
						A	16 conductors			Q	Residential audio
						B	20 conductors			S	Spline

Examples	Location	AWG Size	Conductor Type	# of Conductors	Shielding	Application	Belden Part #
Intercom	5	5	0	0	F	E	5500FE
Fire Alarm Cables	6	4	2	0	F	L	6420FL
Burglar Alarm/Commercial Sound	5	1	0	0	U	E	5100UE

Access Control Banana Peel

Examples	Location	AWG Size	Conductor Type	# of Conductors	Shielding	Application	Belden Part #
Banana Peel Mixed Shielded/Unshielded	5	5	8	A	M	S	558AMS
Jacketed Composite Cable Mixed Shielded/Unshielded	6	5	8	A	M	J	658AMJ
Jacketed Composite Cable Shielded	5	5	8	A	F	J	558AFJ
Banana Peel Shielded	6	5	8	A	F	S	658AFS

CCTV Coax Cable and Connectors

CCTV Coax Type				Siamese Construction	AWG of Copper Pair	Belden Part Number Non-Plenum	BNC Connector	Compression Tool	Strip Tool
RG-Type	AWG	Conductor & Shielding Material	% Coverage						
Mini RG-59	25	Bare Copper	95%	—	—	573945	FSNS15BNC-25	CPLCCT-SLMR	PS59/6/RGB
Mini RG-59	25	Bare Copper	95%	✓	20	579945	FSNS15BNC-25	CPLCCT-SLMR	PS59/6/RGB
RG-59/U	20	Bare Copper	93%	—	—	543945	FSNS59BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-59/U	20	Bare Copper	95%	✓	18	549945	FSNS59BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-6/U	18	Bare Copper	95%	—	—	533945	FSNS6BNCU-25	CPLCCT-SLMR	PS59/6/RGB
RG-6/U	18	Bare Copper	95%	✓	18	539945	FSNS6BNCU-25	CPLCCT-SLMR	PS59/6/RGB
RG-11/U	14	Bare Copper	95%	—	—	513945	—	CPLCCT-LS59/11	PS11

CCTV Coax Type				Siamese Construction	AWG of Copper Pair	Belden Part Number Plenum	BNC Connector	Compression Tool	Strip Tool
RG-Type	AWG	Conductor & Shielding Material	% Coverage						
Mini RG-59	25	Bare Copper	95%	—	—	673948	FSNS15BNC-25	CPLCCT-SLMR	PS59/6/RGB
Mini RG-59	25	Bare Copper	95%	✓	20	679948	FSNS15BNC-25	CPLCCT-SLMR	PS59/6/RGB
RG-59/U	20	Bare Copper	93%	—	—	643948	FSNS59BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-59/U	20	Bare Copper	95%	✓	18	649948	FSNS59BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-6/U	18	Bare Copper	95%	—	—	633948	FSNS6BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-6/U	18	Bare Copper	95%	✓	18	639948	FSNS6BNCPL-25	CPLCCT-SLMR	PS59/6/RGB
RG-11/U	14	Bare Copper	95%	—	—	613948	FSNS11BNCPL-25	CPLCCT-LS59/11	PS11



Water-blocked Indoor/Outdoor Multi-conductor

AWG	Conductor Count	Belden Part Number	
		Unshielded	Shielded
Water and Sun Resistant, Direct Burial			
18	2	5340U1	5340F1
18	4	5302U1	5302F1
16	2	5240U1	5240F1
16	4	5202U1	5202F1
14	2	5140U1	5140F1
14	4	5102U1	-

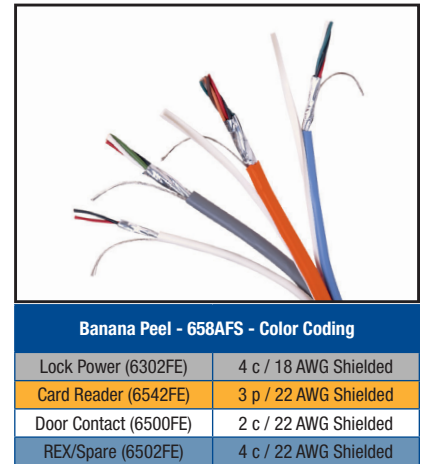
AWG	Conductor Count	Belden Part Number	
		Unshielded	Shielded
Water Resistant			
22	2	5500U1	5500F1
22	4	5502U1	5502F1
22	6	5504U1	5504F1
18	2	5300U1	5300F1
18	4	5302U1	5302F1
18	6	5304U1	5304F1

Access Control, Burglar Alarm, Commercial Sound and Fire Alarm

AWG	Conductor Count	Shielding		Belden Part Number	
		Unshielded	Shielded	Riser	Plenum
Burglar Alarm/Commercial Sound					
22	2	√	—	5500UE	6500UE
22	4	√	—	5502UE	6502UE
22	6	√	—	5504UE	6504UE
22	2	—	√	5500FE	6500FE
22	4	—	√	5502FE	6502FE
22	6	—	√	5504FE	6504FE
22	8	—	√	5506FE	6506FE
18	2	√	—	5300UE	6300UE
18	4	√	—	5302UE	6302UE
18	6	√	—	5304UE	6304UE
18	2	—	√	5300FE	6300FE
18	3	—	√	5301FE	6301FE
18	4	—	√	5302FE	6302FE
18	6	—	√	5304FE	6304FE
16	2	√	—	5200UE	6200UE
16	2	—	√	5200FE	6200FE
14	2	√	—	5100UE	6100UE
14	2	—	√	5100FE	6100FE
12	2	√	—	5000UE	6000UE
12	2	—	√	5000FE	6000FE
Fire Alarm Cables					
22	2	√	—	5520UL	6520UL
22	2	—	√	5520FL	6520FL
20	2	√	—	5420UL	6420UL
20	2	—	√	5420FL	6420FL
18	2	√	—	5320UL	6320UL
18	2	—	√	5320FL	6320FL
16	2	√	—	5220UL	6220UL
16	2	—	√	5220FL	6220FL
14	2	√	—	5120UL	6120UL
14	2	—	√	5120FL	6120FL
12	2	√	—	5020UL	6020UL
12	2	—	√	5020FL	6020FL

AWG	Conductor Count	Conductors Twisted in Pairs	Shielding		Belden Part Number	
			Unshielded	Shielded	Riser	Plenum
Access Control						
22	2	—	—	√	5500FE	6500FE
22	4	Yes	—	√	5541FE	6541FE
22	6	Yes	—	√	5542FE	6542FE
22	2	—	√	—	5500UE	6500UE
22	4	Yes	√	—	5541UE	6541UE
22	6	Yes	√	—	5542UE	6542UE
22	6	—	—	√	5504FE	6504FE
20	4	—	—	√	5402FE	6402FE
20	4	Yes	—	√	5441FE	6441FE
18	2	—	—	√	5300FE	6300FE
18	4	—	—	√	5302FE	6302FE
18	6	Yes	—	√	5342FE	6342FE
18	8	Yes	—	√	5343FE	6343FE
18	12	Yes	—	√	5345FE	6345FE
18	2	—	√	—	5300UE	6300UE
16	4	—	—	√	5202FE	6202FE

AWG	Conductor Count	Bundle Type	Properties			Belden Part Number	
			Shielded	Banana Peel Technology	Outer Jacket	Riser	Plenum
Access Control Mid-Distance							
22	6	Construction 1 Options	—	√	—	558AMS	658AMS
22	2		—	—	√	558AMJ	658AMJ
22	4		YES	—	√	558AFJ	658AFJ
18	4		YES	√	—	558AFS	658AFS
Access Control Extended Distance							
18	6	Construction 2 Options	—	√	—	538AMS	638AMS
18	2		—	—	√	538AMJ	638AMJ
18	4		YES	—	√	538AFJ	638AFJ
16	4		YES	√	—	538AFS	638AFS



Banana Peel - 658AFS - Color Coding

Lock Power (6302FE)	4 c / 18 AWG Shielded
Card Reader (6542FE)	3 p / 22 AWG Shielded
Door Contact (6500FE)	2 c / 22 AWG Shielded
REX/Spare (6502FE)	4 c / 22 AWG Shielded

ReelTuff® Packaging



Strong and ruggedized to provide superior resistance to the crushing, puncturing, tearing and water exposure experienced during shipping and handling.



Lighter and easier to carry than boxes with wooden reels, with tear-resistant, easy-to-access, reinforced handles.



Easy-to-read labels, descending length marking and the ability to pull multiple cables vertically through stacked boxes make installation faster and easier!

