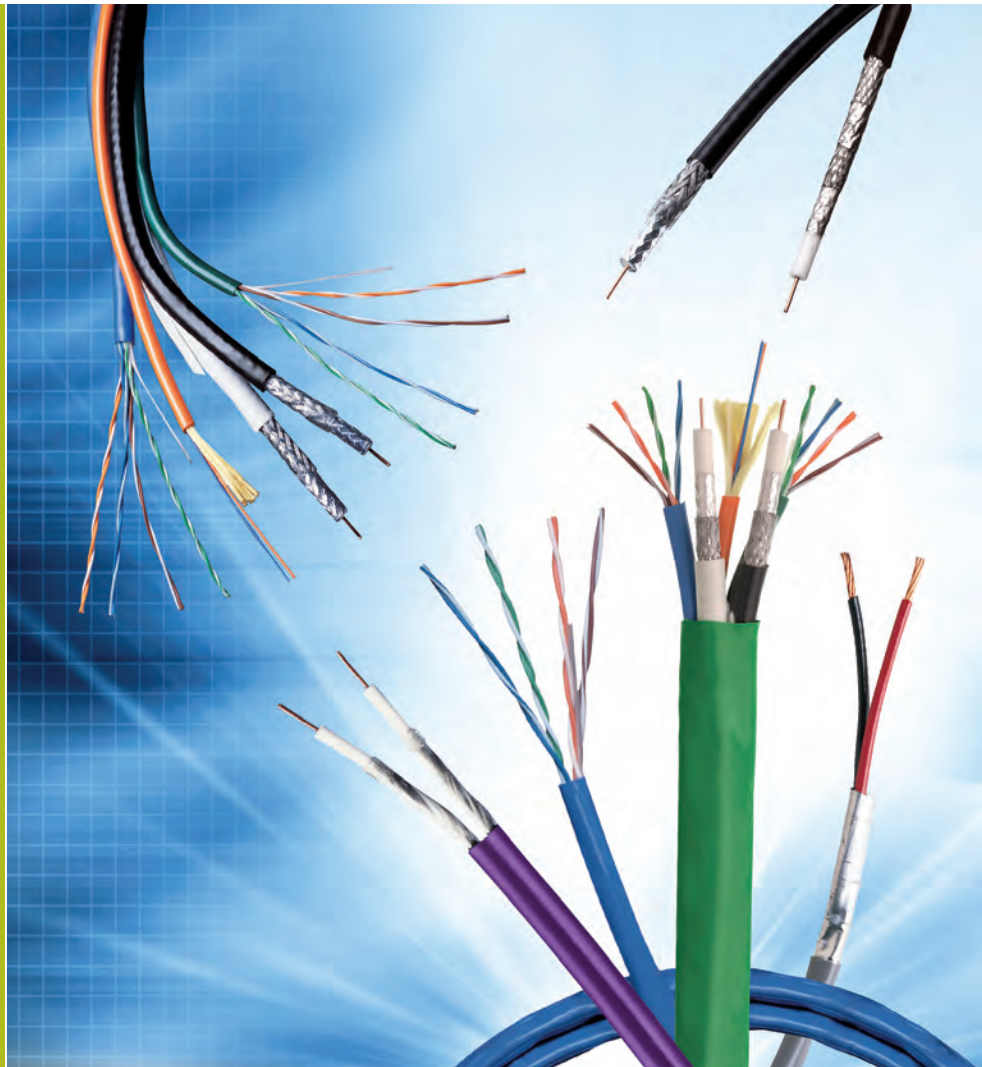


## HomeChoice® Cables



**Data & Voice Cable**  
**Video Cable**  
**Audio Cable**  
**Security Cable**  
**Composite Cable**

## HomeChoice® by Belden®

Innovative Home Cabling Solutions  
From the World's Most Trusted Name in Cable

### Belden Quality and Reliability

With the advance of technology in the home it is essential that your structured cabling infrastructure be as robust as possible to deliver superior performance for both current and future application demands. Whether for data, audio, video or security applications, you can have assured performance with high quality, high performance Homechoice cabling solutions.



Belden HomeChoice cables help meet the evolving needs of today's families.

Because we understand that each home installation has its own set of needs and expectations, Belden offers its HomeChoice structured cabling line of individual, dual component and composite cables — in all, cables to cover any of your home automation, networking, security and entertainment system installations.

### High Performance, Easy to Install Cables

Individual, or single application cables, are available for any data, video, audio or security need, including:

- Composite cables
- Speaker cables for your audio distribution needs
- RGB, Series 6 and Series 59 video coax cables for HDTV, DBS, CATV, SVHS, CCTV and cable modem applications
- Category 5e, Category 6 UTP and fiber data cables for multimedia, voice, video and data use
- Multi conductor and coax cables for security and alarm applications

Belden also offers over 20 different composite cables. Composite cables simplify a multiple use installation by combining Belden data cables, coaxial cables, paired and multi-conductor cables, and optical fiber cables in a single-pull product.

### Better Designs, Better Performance

Some unique high performance technologies are used in the manufacture of these various cables, including:

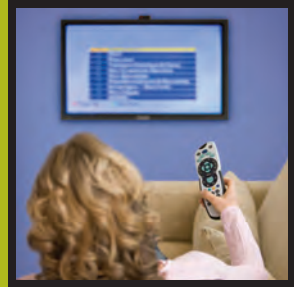
#### *Composite Cables – Without a Jacket!*

Belden Banana Peel® composite cables feature a patent-pending design that eliminates the need for an overall jacket, making these cables easy to handle, easy to identify, easy to pull and easy to terminate. Just peel the cables off the center spline, and you're in business.

#### *Coax Cables with Belden's Exclusive Duobond Plus® Shielding*

Duobond Plus is comprised of a Duobond® II (bonded foil tape) surrounded by an 80% braid and an outer layer of foil with a unique shorting fold. This unique construction provides optimum shielding effectiveness.





### Belden's Patented Data Cable Technology: Bonded-Pairs

To ensure superior electrical performance from Cat 5e and Cat 6 UTP data cables use Bonded-Pair products exclusively from Belden®. Bonded-Pairs deliver a level of performance unmatched by traditional UTP cables. This is especially critical in high performance data and streaming video applications or video delivery for RGB and VGA applications where precise signal delivery and low delay skew is critical.

### Everything You Need For the Intelligent Home

HomeChoice® Structured Cabling products for the Intelligent Home – all brought to you by Belden, the most innovative and trusted name in the industry.

For more information, please contact your distributor or contact us at






[www.belden.com](http://www.belden.com) or 1.800.BELDEN.1.

## TABLE OF CONTENTS

<b>Residential Cables</b>	<b>Page No.</b>
<b>Composite Cable</b>	<b>3</b>
<b>Audio Cable</b>	<b>5</b>
<b>Video Cable</b>	<b>7</b>
<b>Connectors and Tools</b>	<b>11</b>
<b>Data and Voice Cable</b>	<b>12</b>

<b>Residential Cables</b>	<b>Page No.</b>
<b>Alarm, Security and Audio Cable</b>	<b>13</b>
<b>Composite Access Control Cable</b>	<b>15</b>
<b>Part No. Index</b>	<b>16</b>










## HomeChoice Banana Peel® Composite Cable Data, Audio, Video, Security and Control Cables for Residential, Light Commercial and Institutional Applications

Part Number UL / C(UL) Rating	Component Cables	Descriptions and Standards	Jacket Color and Type	Nom. OD		Stand. Lengths	
				in.	mm	Ft.	m
<b>7876S</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	Two Cat 5e 4-pair bonded UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Blue & Green F-R PVC	.200	5.08	1000	304.8
	Two Series 6 Duobond Plus® coaxial cables	Series 6 (solid bare copper conductor), Duobond Plus (Bonded Tri-shield) + 80% braid, swept to 2.25 GHz	Black & White F-R PVC ▲	.275	6.99	500	152.4
<b>7878S</b> UL verified to Cat 5e UL CMR OF, C(UL) CMG OF FT4 	Two Cat 5e 4-pair bonded UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Blue & Green F-R PVC	.200	5.08	1000	304.8
	Two Series 6 Duobond Plus coaxial cables	Series 6 (solid bare copper conductor), Duobond Plus (Bonded Tri-shield) + 80% braid, swept to 2.25 GHz	Black & White F-R PVC	.275	6.99	500	152.4
	One 2-fiber LANLite® Distribution cable	Gigabit Ethernet-grade fiber 62.5/125/900/ micron tight buffered fiber	Orange F-R PVC ▲	.175	4.45		
				.595	15.11		
<b>7956S</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	One Cat 5e 4-pair UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Blue PVC	.200	5.08	1000	304.8
	Two Series 6 Duobond® IV Quad Shield coaxial cables	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz	Black & White F-R PVC ▲	.298	7.57	500	152.4
				.596	15.14		
<b>7913S</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	Two Cat 5e 4-pair UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Blue & Green F-R PVC	.200	5.08	1000	304.8
	Two Series 6 Duobond® IV Quad Shield coaxial cables	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz	Black & White F-R PVC ▲	.298	7.57	500	152.4
				.600	15.24		
<b>7914S</b> UL verified to Cat 5e UL CMR OF, C(UL) CMG OF FT4 	Two Cat 5e 4-pair UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Blue & Green F-R PVC	.200	5.08	1000	304.8
	Two Series 6 Duobond IV Quad Shield coaxial cables	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz	Black & White F-R PVC	.298	7.57	500	152.4
	One 2-fiber LANLite Distribution cable	Gigabit Ethernet-grade fiber 62.5/125/900/ micron tight buffered fiber	Orange F-R PVC ▲	.175	4.45		
				.620	15.75		






F-R = Flame retardant • UTP = Unshielded Twisted Pair All cable jackets sequentially marked, except 7876S, 7878S, 7913S, 7914S and 7956S where the White coax jacket is sequentially marked. Other configurations available upon request.  
▲ = Composite cables with no overall jacket.

## HomeChoice® Jacketed and Siamese Composite Cable

Data, Audio, Video, Security and Control Cables for Residential, Light Commercial and Institutional Applications

Part Number UL / C(UL) Rating	Component Cables	Descriptions and Standards	Jacket Color and Type	Nom. OD		Stand. Lengths	
				in.	mm	Ft.	m
<b>7910A</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	One Cat 5e 4-pair bonded UTP cable	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulation	Green F-R PVC	.335	8.51	1000	304.8
	One Series 6 coaxial cable Duobond Plus®	Series 6 (solid bare copper conductor) Duobond Plus (Bonded Tri-shield) + 80% Braid, swept to 2.25 GHz		x	x	500	152.4
<b>7876A</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	Two Cat 5e 4-pair bonded UTP cable	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulation	Green F-R PVC	.610	15.49	1000	304.8
	Two Series 6 coaxial cables Duobond Plus	Series 6 (solid bare copper conductor) Duobond Plus (Bonded Tri-shield) + 80% Braid, swept to 2.25 GHz		x	x	500	152.4
<b>7877A</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	One Cat 5e 4-pair bonded UTP cable	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulation	Green F-R PVC	.610	15.49	500	152.4
	Two Series 6 coaxial cables Duobond Plus	Series 6 (solid bare copper conductor) Duobond Plus (Bonded Tri-shield) + 80% Braid, swept to 2.25 GHz		x	x	500	152.4
<b>7878A</b> UL verified to Cat 5e UL CMR OF, C(UL) CMG OF FT4 	Two Cat 5e 4-pair bonded UTP cables	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulation	Green F-R PVC	.635	16.13	1000	304.8
	Two Series 6 coaxial cables Duobond Plus	Series 6 (solid bare copper conductor) Duobond Plus (Bonded Tri-shield) + 80% Braid, swept to 2.25 GHz		x	x	500	152.4
<b>7913A</b> UL verified to Cat 5 UL CMR, C(UL) CMG FT4 	Two Cat 5 4-pair UTP cables	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulation	Light Green F-R PVC	.660	16.76	1000	304.8
	Two Series 6 coaxial cables Duobond® IV Quad Shield	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz		x	x	500	152.4
<b>7914A</b> UL verified to Cat 5 UL CMR OF, C(UL) CMG OF FT4 	Two Cat 5 4-pair UTP cables	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulation	Light Green F-R PVC	.660	16.76	1000	304.8
	Two Series 6 coaxial cables Duobond IV Quad Shield	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz		x	x	500	152.4
<b>7911A</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	One Cat 5e 4-pair bonded UTP cable	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Green F-R PVC	.275	6.99	1000	304.8
	One Series 6 coaxial cable Duobond Plus	Series 6 (solid bare copper conductor), Duobond Plus (Bonded Tri-shield) + 80% braid, swept to 2.25 GHz		x	x	500	152.4
<b>7912A</b> UL verified to Cat 5 UL CMR, C(UL) CMG FT4 	One Cat 5 4-pair UTP cable	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulated	Light Green F-R PVC	.297	7.54	500	152.4
	One Series 6 coaxial cable Duobond IV Quad Shield	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz		x	x	500	152.4
<b>7917A</b> UL verified to Cat 5 UL CM, C(UL) CM 	One Cat 5 4-pair UTP cable	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulated	Light Green F-R PVC	.273	6.93	1000	304.8
	One Series 6 coaxial cable Duobond II	Series 6 (solid bare copper conductor) Duobond IV Quad Shield, swept to 2.25 GHz		x	x	500	152.4

### Multi-media Control Cable

<b>HC2756R</b> UL CMR, C(UL) CMG FT4 	Two Pair:	22 AWG (7 x 30) tinned copper, Datalene insulated	Light Green PVC	.250	6.35	500	152.4
	One shielded pair	18 AWG (16 x 30) tinned copper, PVC insulated					
<b>7949A</b> UL verified to Cat 5e UL CMR, C(UL) CMG FT4 	One Cat 5e 4-pair bonded UTP cable	UTP verified (UL) to Cat 5e 24 AWG solid bare copper, polyolefin insulated	Green F-R PVC	.438	11.13	1000	304.8
	Four 16 AWG conductors	16 AWG (65 x 34) bare copper, PVC insulated					
<b>7950A</b> UL verified to Cat 5 UL CMR, C(UL) CMG FT4 	One Cat 5 4-pair UTP cable	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulated	Light Green F-R PVC	.434	11.02	500	152.4
	Four 16 AWG conductors	16 AWG (65 x 34) bare copper, PVC insulated					
<b>7951A</b> UL verified to Cat 5 UL CMR, C(UL) CMG FT4 	One Cat 5 4-pair UTP cable	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulated	Light Green F-R PVC	.412	10.47	1000	304.8
	Four 18 AWG conductors	18 AWG (19 x 30) bare copper, PVC insulated					
<b>7952A</b> UL verified to Cat 5 UL CMR, C(UL) CMG FT4 	One Cat 5 4-pair UTP cable	UTP verified (UL) to Cat 5 24 AWG solid bare copper, polyolefin insulated	Light Green F-R PVC	.301	7.65	1000	304.8
	Four 14 AWG conductors	14 AWG (104 x 34) bare copper, PVC insulated					

F-R = Flame retardant • UTP = Unshielded Twisted Pair



## HomeChoice® Audio Cable

High-Strand High Conductivity, Oxygen-Free Copper Speaker Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

**16 AWG** Stranded (65x34) Conductors • Oxygen-free Bare Copper • Conductors Cabled

### Polyolefin Insulation • Light Purple or White PVC Jacket

**UL Direct Burial** Sunlight-resistant (White only) **HC2757** NEC: CMR, CL3R CEC: CMG FT4 2 Black, Red 500 152.4 28 12.7 .013 .32 .022 .56 .210 5.33



### Polyolefin Insulation • Dark Purple or White PVC Jacket

**UL Direct Burial** Sunlight-resistant (White only) **HC2758** NEC: CMR, CL3R CEC: CMG FT4 4 Black, Red, White, Green 500 152.4 51 23.1 .013 .32 .026 .66 .270 6.86



**14 AWG** Stranded (105x34) Conductors • Oxygen-free Bare Copper • Conductors Cabled

### Polyolefin Insulation • Yellow or White PVC Jacket

**UL Direct Burial** Sunlight-resistant (White only) **HC2759** NEC: CMR, CL3R CEC: CMG FT4 2 Black, Red 500 152.4 44 20.0 .016 .39 .027 .69 .264 6.71



### Polyolefin Insulation • Orange or White PVC Jacket

**UL Direct Burial** Sunlight-resistant (White only) **HC2760** NEC: CMR, CL3R CEC: CMG FT4 4 Black, Red, White, Green 500 152.4 81 36.7 .016 .39 .034 .86 .319 8.10



**12 AWG** Stranded (168x34) Conductors • Oxygen-free Bare Copper • Conductors Cabled

### Polyolefin Insulation • Pink or White PVC Jacket

**UL Direct Burial** Sunlight-resistant (White only) **HC2761** NEC: CMR, CL3R CEC: CMG FT4 2 Black, Red 500 152.4 72 32.7 .018 .46 .036 .91 .352 8.94



All jackets marked with:


- Ascending/descending sequential markings at two (2) foot intervals.
- Room 12345 and Zone ABCDE location information.

## HomeChoice® Audio Cable


Multi-conductor High-Strand Audio Cables and Audio and Control Interconnect Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Outer Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

**Multi-conductor • 16 AWG** Stranded (65x34) Bare High-conductivity ETP Copper Conductor • Highly Stranded for Ultra Flexibility • Rip Cord  
**High-Grade PVC Insulation • White PVC Jacket**

75°C	 <b>HC2706</b>	NEC: CM	2	Black, White	U-500	U-152.4	14.0	6.4	.015	.38	.015	.38	.208	5.28
------	--	------------	---	-----------------	-------	---------	------	-----	------	-----	------	-----	------	------

Jacket sequentially marked at 2 ft. intervals.

75°C	 <b>HC2708</b>	NEC: CM	4	Black, White, Red, Green	U-500	U-152.4	25.5	11.6	.015	.38	.015	.38	.244	6.20
------	--	------------	---	-----------------------------------	-------	---------	------	------	------	-----	------	-----	------	------


Jacket sequentially marked at 2 ft. intervals.

**Multi-conductor • 14 AWG** Stranded (42x30) Bare High-conductivity ETP Copper Conductor • Highly Stranded for Ultra Flexibility • Rip Cord  
**High-Grade PVC Insulation • White PVC Jacket**

75°C	 <b>HC2710</b>	NEC: CL3	2	Black, White	U-500	U-152.4	21.5	9.8	.020	.51	.015	.38	.260	6.60
------	--	-------------	---	-----------------	-------	---------	------	-----	------	-----	------	-----	------	------


Jacket sequentially marked at 2 ft. intervals.

**Multi-conductor • 12 AWG** Stranded (65x30) Bare High-conductivity ETP Copper Conductor • Highly Stranded for Ultra Flexibility • Rip Cord  
**High-Grade PVC Insulation • White PVC Jacket**

75°C	 <b>HC2714</b>	NEC: CL3	2	Black, White	U-500	U-152.4	31.5	14.3	.020	.51	.018	.46	.302	7.67
------	--	-------------	---	-----------------	-------	---------	------	------	------	-----	------	-----	------	------

Jacket sequentially marked at 2 ft. intervals.


**Multi-conductor • 10 AWG** Stranded (65x28) Bare High-conductivity ETP Copper Conductor • Highly Stranded for Ultra Flexibility • Rip Cord  
**High-Grade PVC Insulation • White PVC Jacket**

75°C	 <b>HC2717</b>	NEC: CL2 Audio Use Only	2	Black, White	500	152.4	44.0	20.0	.020	.51	.026	.66	.356	9.04
------	--	-------------------------------------	---	-----------------	-----	-------	------	------	------	-----	------	-----	------	------

Jacket sequentially marked at 2 ft. intervals.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**Audio and Control Interconnect • 22 AWG** Stranded (7x30) • Tinned Copper • Twisted Pairs • 24 AWG Stranded TC Drain Wire  
**Polypropylene Insulated • Chrome PVC Jacket** (Pairs Cabled on Common Axis to Reduce Diameter)

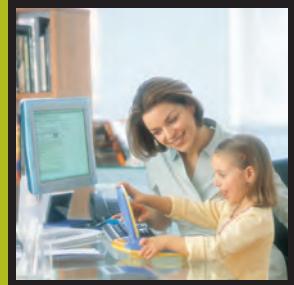
60°C	 <b>HC2755</b>	NEC: CM CEC: CM	2	Red/Black, Green/White	U-500	U-152.4	10.5	4.8	15.0Ω/M'	16.6Ω/M'	.168	4.27	45	66%	35	115	62	203
------	--	--------------------------	---	---------------------------	-------	---------	------	-----	----------	----------	------	------	----	-----	----	-----	----	-----

Z-Fold®

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.

Individually Shielded with 100% Beldfoil®



## HomeChoice® Video/RF Cable

### Series 6/RG-6 DBS and Broadband CATV Coaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Shielding Materials Nom. DCR	Nominal Core OD		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
			Ft.	m	Lbs.	kg			Inch	mm	Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.

#### Broadband/CATV/DBS • Series 6 • 18 AWG Solid Bare Copper

##### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

80°C	<b>HC7915</b>	NEC:	U-1000	U-304.8	34.0	15.5	18 AWG	Duobond Plus®	.180	4.57	.275	6.99	75	83%	16.2	53.1	.5	.5	1.6	
		CATV CM	1000	304.8	34.0	15.5	(solid)	(solid)	+ 80%									55	1.4	4.6
		CEC:					.040"	Aluminum										211	2.6	8.5
		CM					BC	Braid										500	4.1	13.5
							6.4Ω/M'	4.6Ω/M'										750	5.1	16.7
							21.0Ω/km	15.1Ω/km										862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.9	25.9
																		1800	8.4	27.6
																		2250	10.1	33.1
																		3000	11.3	37.1

U-1000 ft. put-up available in Black only.  
Jacket sequentially marked at 2 ft. intervals.

80°C	<b>HC7916</b>	NEC:	U-500	U-152.4	18.0	8.2	18 AWG	Duobond® IV*	.180	4.57	.298	7.57	75	83%	16.2	53.1				
		CATV CM	1000	304.8	37.0	16.8	(solid)	60% & 40%												
		CEC:					.040"	Aluminum												
		CM					BC	Braids												
							6.4Ω/M'	4.8Ω/M'												
							21.0Ω/km	15.7Ω/km												

Jacket sequentially marked at 2 ft. intervals.

80°C	<b>HC2610</b>	NEC:	U-500	U-152.4	15.5	7.0	18 AWG	Duobond II	.180	4.57	.270	6.86	75	83%	16.2	53.1	.5	.5	1.6	
		CATV CM	1000	304.8	17.0	7.7	(solid)	+ 60%										55	1.4	4.6
		CEC:					.040"	Aluminum										211	2.6	8.5
		CM					BC	Braid										500	4.1	13.5
							6.4Ω/M'	9.0Ω/M'										750	5.1	16.7
							21.0Ω/km	29.5Ω/km										862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.9	25.9
																		1800	8.4	27.6
																		2250	10.1	33.1
																		3000	11.3	37.1

1000 ft. put-up available in Black only.  
Jacket sequentially marked at 2 ft. intervals.

80°C	<b>HC2611</b>	NEC:	500	152.4	33.0	15.0	18 AWG	Duobond II	.180	4.57	.273	6.93	75	83%	16.2	53.1			
		CATV CM	1000	304.8	66.0	30.0	(solid)	+ 60%											
		CEC:					.040"	Aluminum			.595	15.11							
		CM					BC	Braid											
							6.4Ω/M'	9.0Ω/M'											
							21.0Ω/km	29.5Ω/km											

Jacket sequentially marked at 2 ft. intervals.

#### Broadband/CATV/DBS • Series 6 • 18 AWG Solid Bare Copper-covered Steel

##### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

80°C	<b>HC2600</b>	NEC:	U-500	U-152.4	18.0	8.2	18 AWG	Duobond IV*	.180	4.57	.298	7.57	75	83%	16.2	53.1	.5	.5	1.6	
		CATV CM	1000	304.8	37.0	16.8	(solid)	60% & 40%										55	1.4	4.6
		CEC:					.040"	Aluminum										211	2.6	8.5
		CM					BCCS	Braids										500	4.1	13.5
							28.0Ω/M'	4.8Ω/M'										750	5.1	16.7
							91.9Ω/km	15.7Ω/km										862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.9	25.9
																		1800	8.4	27.6
																		2250	10.1	33.1
																		3000	11.3	37.1

Jacket sequentially marked at 2 ft. intervals.

##### Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	<b>HC2601</b>	NEC:	500	152.4	36.0	16.3	18 AWG	Duobond IV*	.180	4.57	.298	7.57	75	83%	16.2	53.1			
		CATV CM	1000	304.8	37.0	16.8	(solid)	60% & 40%											
		CEC:					.040"	Aluminum			.641	16.28							
		CM					BCCS	Braids											
							28.0Ω/M'	4.8Ω/M'											
							91.9Ω/km	15.7Ω/km											

Jacket sequentially marked at 2 ft. intervals.

##### Plenum • Foam FEP Insulation • Black Flamarrest® Jacket

75°C	<b>HC2600P</b>	NEC:	1000	304.8	42.0	19.1	18 AWG	Duobond IV*	.170	4.32	.248	6.30	75	83%	16.2	53.1	.1	.30	1.0	
		CATVP					(solid)	60% & 40%										10	.66	2.2
		CMP					.040"	TC										50	1.5	4.9
		CEC:					BCCS	Braids										100	2.1	6.9
		CMP FT6					28.0Ω/M'	4.8Ω/M'										200	3.1	10.2
							91.9Ω/km	15.7Ω/km										400	4.5	14.8
																		700	6.0	19.7
																		900	6.9	22.6
																		1000	7.3	24.0
																		1450	9.5	31.2
																		1800	10.1	33.1
																		2250	12.1	39.7
																		3000	14.8	48.5

Jacket sequentially marked at 2 ft. intervals.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • TC = Tinned Copper  
 \*Duobond IV = Duobond II + 60% aluminum braid + Duofoil® tape + 40% aluminum braid.  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1.800.BELDEN.1.**

## HomeChoice® Video Cable

Precision Video Cables for Analog and Digital Applications  
SDI/HDTV

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Shielding Materials Nom. DCR	Nominal Core OD		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg			Inch	mm	Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

### RG-6/U Type • 18 AWG

Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
SDI/HDTV Digital Video 75°C	<b>HC2630R</b>	NEC: CMR CEC: CMG FT4	500	152.4	23.0	10.5	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	Duofoil® + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.180	4.57	.275	6.99	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .7 1.6 2.1 3.0 3.4 4.3 5.0 5.0 5.9 7.3 9.1 10.7	.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.2 16.4 19.3 24.0 30.0 35.0
																	100% Sweep tested 5 MHz to 3 GHz.		

Jacket sequentially marked at 2 ft. intervals.

### RG-59/U Type • 20 AWG

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in Black, White, Red, Yellow, Blue or Green)																			
SDI/HDTV Digital Video 75°C	<b>HC2632R</b>	NEC: CMR CEC: CMG FT4	U-500	U-152.4	17.5	8.0	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.145	3.68	.234	5.94	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 11.6 13.4	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 38.1 44.0
																	100% Sweep tested 5 MHz to 3 GHz.		

Jacket sequentially marked at 2 ft. intervals.

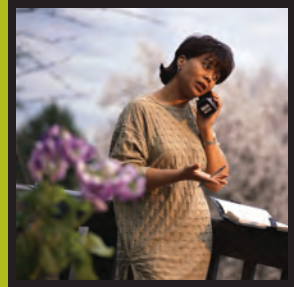
### Subminiature RG-59/U Type • 23 AWG

Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
SDI/HDTV Digital Video 75°C	<b>HC2637R</b>	NEC: CMR CEC: CMG FT4	500	152.4	9.0	4.1	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	Duofoil + 95% TC braid 7.6Ω/M' 24.9Ω/km	.102	2.59	.159	4.03	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2000 2250 3000	.4 .8 1.2 3.1 3.8 5.4 6.2 7.7 9.5 9.6 10.5 13.0 15.1 16.0 18.5	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 31.1 31.5 34.4 42.6 49.5 52.5 60.7
																	100% Sweep tested 5 MHz to 3 GHz.		

Jacket sequentially marked at 2 ft. intervals.

BC = Bare Copper • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1.800.BELDEN.1**. Request quotations of RG/U cables not listed.






## HomeChoice® RGB Component Video Cable

Mini Hi-res Component Video Cable  
75-ohm Miniature Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Jacket Nom. Diameter		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Miniature • 25 AWG** Solid .018" Bare Copper • Duobond® Foil (100%) + Tinned Copper Interlocked Serve Shield

Gas-injected Foam High-density PE Insulation • PVC Inner Jackets • Black PVC Jacket (Color Code: See chart below)																				
	<b>HC2648R</b>	NEC: CMR CEC: CMG	3	500	152.4	25.5	11.6	25 AWG (solid) .018" TC 34.0Ω/M' 111.5Ω/km	.074	1.88	Duobond (100%) + TC Braid 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .320 8.13	75	80%	17.0	.8	1	.50	1.6	
																	5	1.2	3.9	
																	10	1.6	5.2	
																	20	2.4	7.9	
																	50	3.8	12.1	
																	71	4.4	14.1	
	<b>HC2650R</b>	NEC: CMR CEC: CMG	5	250	76.3	21.3	9.2	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .403 10.24					100	4.9	16.1	
																	135	5.6	18.4	
																	180	6.4	21.0	
																	200	6.7	22.0	
																	270	7.7	25.2	
																	400	9.5	31.1	
	<b>HC2654R</b>	NEC: CMR CEC: CMG	6	250	76.2	19.8	9.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .423 10.74					750	13.4	44.0	
																	1000	15.8	51.8	
																	2250	26.1	85.6	
																	3000	32.2	102.3	

Sweep Tested 5 MHz to 850 MHz.  
Guaranteed Return Loss -20dB Max.

DCR = DC Resistance • PE = Polyethylene • TC = Tinned Copper

### Color Code Chart

Cond.	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black
6	White

## HomeChoice® RGB Component Video Cable


### Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video


#### 75-ohm Miniature Coax


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.

**Miniature • 25 AWG Solid .018" TC Conductors • Duobond® Foil (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spline • No Overall Jacket**


	<b>HC2651R</b>	NEC: CMR CEC: CMG	3	500	152.4	17.0	7.7	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	80%	17.0	.8	1 5 50 100 200 400 750 900 1000 3000	.5 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4
--	----------------	----------------------------	---	-----	-------	------	-----	---	------	------	---	---	----	-----	------	----	---	---	---

	<b>HC2652R</b>	NEC: CMR CEC: CMG	5	500	152.4	28.5	12.9	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .308 7.82									100% Sweep tested. 5 MHz to 850 MHz. Guaranteed Return Loss -20dB max.
--	----------------	----------------------------	---	-----	-------	------	------	---------------------	------	------	---------------------	---	--	--	--	--	--	--	--	--	---

	<b>HC2653R</b>	NEC: CMR CEC: CMG FT4	6	250	152.4	33.5	15.2	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .342 8.69									
--	----------------	--------------------------------	---	-----	-------	------	------	---------------------	------	------	---------------------	---	--	--	--	--	--	--	--	--	--

**Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

	<b>HC2658R</b>	NEC: CMR CEC: CMG	1	500 1000	152.4 304.8	4.0 8.0	1.8 3.6	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + 95% TC Braid 5.4Ω/M' 17.7Ω/km	.114 2.90 Sweep Tested 5 MHz to 850 MHz. Guaranteed Return Loss -20dB Max.	75	80%	17.0	55.8	1 5 50 100 200 400 700 900 1000 3000	.5 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4
--	----------------	----------------------------	---	-------------	----------------	------------	------------	---	------	------	---	--	----	-----	------	------	---	---	---

DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

### Color Code Chart

Cond.	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black
6	White



## HomeChoice® Connectors and Tools


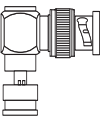
One-piece, Male Connectors for Mini Hi-res Coaxial Cable  
Compression and Cable Prep Tools

**HCST Stripping Tool**

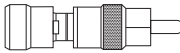
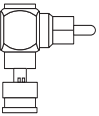


**HCCT Compression Tool**



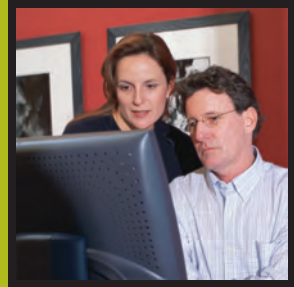
	HC2920A 75-ohm BNC Connector	HC2921A 75-ohm BNC Right-angle Connector
		

Specifications		
Impedance	75 ohm	75 ohm
Frequency Range	DC–3.0 GHz (dependent upon Cable limitations)	DC–3.0 GHz (dependent upon Cable limitations)
Insertion Loss	<.1 dB @ 1 GHz	<.1 dB @ 1 GHz
Return Loss	>20 dB; 5–1000 MHz	>20 dB; 5–1000 MHz
Cable Retention Force	>40 lbs.	>40 lbs.
Center Conductor Contact Plating	>.0003 Gold on Beryllium Copper	>.0003 Gold on Beryllium Copper
Center Pin Retention	>150 grams	>150 grams
Mating Style	2-stud Bayonet Lock	2-stud Bayonet Lock
Current Rating	5 amp	5 amp
Max. Working Voltage	300 Vrms	300 Vrms
Body Material	Brass	Brass
Body Plating	Gold	Gold
RFI	>100 dB	>100 dB
Cable Attachment Method	Compression Style	Compression Style

	HC2910A RCA Connector	HC2911A RCA Right-angle Connector
		

Specifications		
Impedance	N/A	N/A
Cable Retention Force	>40 lbs.	>40 lbs.
Center Pin Plating	Gold	Gold
Center Pin Retention	>150 grams	>150 grams
Mating Style	RCA Standard Interface	RCA Standard Interface
Current Rating	2 amps	2 amps
Max. Working Voltage	300 Vrms	300 Vrms
Body Material	Brass	Brass
Body Plating	Gold	Gold
Cable Attachment Method	Compression Style	Compression Style





## HomeChoice® Alarm, Security and Audio Cable

### Multi-conductor Cables

### Coaxial and Composite Cables for Surveillance and CCTV Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Outer Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

#### 16 AWG Stranded (19x29) Bare Copper Conductor • Rip Cord

#### Non-Plenum • PVC Insulation • Gray PVC Jacket

75°C	<b>HC2705R</b>	NEC: CMR CEC: CMG FT4	2	Black, Red	U-1000	U-304.8	26.0	11.8	.010	.25	.015	.38	.184	4.67
------	----------------	--------------------------------	---	---------------	--------	---------	------	------	------	-----	------	-----	------	------



Jacket sequentially marked at 2 ft. intervals.

#### Non-Plenum • PVC Insulation • White PVC Jacket

75°C	<b>HC2707</b>	NEC: CMR CEC: CMG FT4	4	Black, Red, White, Green	U-500	U-152.4	23.0	10.5	.010	.25	.015	.38	.216	5.49
------	---------------	--------------------------------	---	-----------------------------------	-------	---------	------	------	------	-----	------	-----	------	------



Jacket sequentially marked at 2 ft. intervals.

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Nominal DCR		Nominal Core OD		Nominal OD		Nom. Imp. (Ω)
			Ft.	m	Lbs.	kg	Conductor	Shielding	Inch	mm	Inch	mm	

#### RG-59/U Type • 20 AWG Solid Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

#### Foam Polyolefin Insulation • Gray PVC Jacket

75°C	<b>HC2800</b>	NEC: CM CEC: CM FT1	U-500	U-152.4	16.0	7.3	10.0Ω/M' 32.8Ω/km	3.5Ω/M' 11.5Ω/km	.145	3.68	.232	5.89	75
------	---------------	------------------------------	-------	---------	------	-----	----------------------	---------------------	------	------	------	------	----



Jacket sequentially marked at 2 ft. intervals.

#### Composite • RG-59/U Type, 20 AWG Coax Solid Bare Copper w/ 95% BC Braid Shield • 18 AWG UTP Stranded (7x26) Bare Copper

#### Foam Polyolefin Insulation (Coax) • PVC Insulation (Pair—Color Coded: Red, Black) • Gray PVC Jacket

Siamese Configuration 75°C	<b>HC2801</b>	NEC: CM CEC: CM FT1	500	152.4	30.0	13.6	Coax: 10.0Ω/M' 32.8Ω/km Each Pair: 6.5Ω/M' 21.3Ω/km	3.5Ω/M' 11.5Ω/km	Coax OD: .145 Pair OD: 1.68	3.68	.232	5.89	75
-------------------------------	---------------	------------------------------	-----	-------	------	------	--	---------------------	--------------------------------------	------	------	------	----



Jacket sequentially marked at 2 ft. intervals.

BC = Bare Copper • UTP = Unshielded Twisted Pair



## HomeChoice® Alarm, Security and Audio Cable

Multi-conductor Cables for Residential, Light Commercial and Institutional Applications



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Outer Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

### 22 AWG Stranded (7x30) Bare Copper Conductor

#### Polypropylene Insulation • PVC Jacket (Available in Gray or White)

75°C 	<b>HC2810</b> 	NEC:	2	Black, Red	U-500	U-152.4	4.5	2.0	.006	.15	.015	.38	.114	2.90
		CM			C-500	C-152.4	3.5	1.6						



U-500 ft. put-up available in Gray only.  
Jacket sequentially marked at 2 ft. intervals.

75°C 	<b>HC2811</b> 	NEC:	4	Black, Red, White, Green	U-500	U-152.4	7.5	3.4	.006	.15	.015	.38	.131	3.33
		CM			C-500	C-152.4	6.5	3.0						



U-500 ft. put-up available in Gray only.  
Jacket sequentially marked at 2 ft. intervals.

### 22 AWG Solid Bare Copper Conductor

#### Polypropylene Insulation • PVC Jacket (Available in Gray or White)

75°C 	<b>HC2812</b> 	NEC:	2	Black, Red	C-500	C-152.4	3.5	1.6	.006	.15	.015	.38	.106	2.69
		CM			C-1000	C-304.8	9.0	4.1						



Jacket sequentially marked at 2 ft. intervals.

75°C 	<b>HC2813</b> 	NEC:	4	Black, Red, White, Green	C-500	C-152.4	6.0	2.7	.006	.15	.015	.38	.122	3.10
		CM			C-1000	C-304.8	14.0	6.4						

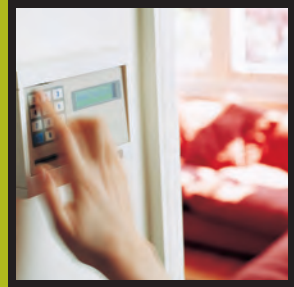
Jacket sequentially marked at 2 ft. intervals.

### 18 AWG Stranded (7x26) Bare Copper Conductor

#### Polypropylene Insulation • PVC Jacket (Available in Gray or White)

75°C 	<b>HC2815</b> 	NEC:	2	Black, Red	U-500	U-152.4	8.5	3.9	.006	.15	.015	.38	.148	3.76
		CM			C-500	C-152.4	16.0	7.3						

U-500 ft. put-up available in Gray only.  
Jacket sequentially marked at 2 ft. intervals.



## HomeChoice® Composite Access Control Cable

### Banana Peel® Jacketless Cables

### Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials	Insulation Material & Color Code	Insulation Thickness		Component Jacket Material & Color	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm				Inch	mm		Inch	mm

#### Composite • (3) Shielded Multi-Conductors • (1) Shielded Multi-Pair

PVC Insulation • PVC Jackets • No Overall Jacket																
NEC Article 800	<b>HC2820R</b>	NEC: CMR CEC: CMG FT4	500 1000	152.5 305	58.5 100	26.6 45.5	.448	11.38	(1) 4-Cond. 18 AWG Stranded Bare Copper Shielded	Beldfoil®	PVC White, Black, Red, Green	.010	.254	PVC Gray	.202	5.13
									(1) 3-Pair 22 AWG Stranded Bare Copper Shielded	Beldfoil	PVC White & Green, Orange & Brown, Red & Black	.010	.254	PVC Orange	.233	5.92
									(1) 2-Cond. 22 AWG Stranded Bare Copper Shielded	Beldfoil	PVC Red, Black	.010	.254	PVC White	.140	3.56
									(1) 4-Cond. 22 AWG Stranded Bare Copper Shielded	Beldfoil	PVC White, Black, Red, Green	.010	.254	PVC Blue	.161	4.09

Individual gray jacket sequentially marked at 2 ft. intervals.

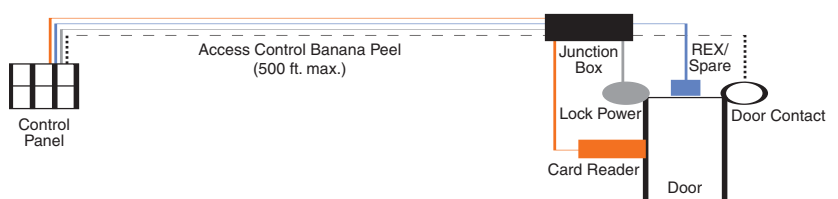
Plenum • Flamarrest® Insulation • Flamarrest Jackets • No Overall Jacket																
NEC Article 800	<b>HC2820P</b>	NEC: CMP CEC: CMP FT6	500 1000	152.5 305	51.5 112	23.4 50.8	.435	11.05	(1) 4-Cond. 18 AWG Stranded Bare Copper Shielded	Beldfoil	Flamarrest White, Black, Red, Green	.009	.229	Flamarrest Gray	.191	4.85
									(1) 3-Pair 22 AWG Stranded Bare Copper Shielded	Beldfoil	Flamarrest White & Green, Orange & Brown, Red & Black	.009	.229	Flamarrest Orange	.218	5.54
									(1) 2-Cond. 22 AWG Stranded Bare Copper Shielded	Beldfoil	Flamarrest Red, Black	.009	.229	Flamarrest White	.131	3.33
									(1) 4-Cond. 22 AWG Stranded Bare Copper Shielded	Beldfoil	Flamarrest White, Black, Red, Green	.009	.229	Flamarrest Blue	.150	3.81

Individual gray jacket sequentially marked at 2 ft. intervals.

#### Jacket Color Coding System

Jacket Color	Print Code	Cable Type
Gray	Lock Power	4/C, 18 AWG, Shielded
Orange	Card Reader	3/P, 22 AWG, Shielded
White	Door Contact	2/C, 22 AWG, Shielded
Blue	Rex/Spare	4/C, 22 AWG, Shielded

#### How Does the Access Control Panel Look?



## Part Number Index

### United States

**Belden**  
2200 U.S. Highway 27 South  
Richmond, IN 47374-7279

Phone: 765-983-5200  
Support: 1.800.BELDEN.1  
Fax: 765-983-5294  
E-mail: [info@belden.com](mailto:info@belden.com)  
Web: [www.belden.com](http://www.belden.com)

Part No.	Page
HCCT	11
HCST	11
HC2500P	12
HC2500R	12
HC2501R	12
HC2503R	12
HC2510	12
HC2510P	12
HC2600	7
HC2600P	7
HC2601	7
HC2610	7
HC2611	7
HC2630R	8
HC2632R	8
HC2637R	8
HC2648R	9
HC2650R	9
HC2654R	9
HC2651R	10
HC2652R	10
HC2653R	10
HC2658R	10
HC2705R	13
HC2706	6
HC2707	13
HC2708	6
HC2710	6
HC2714	6
HC2717	6
HC2755	6
HC2756R	4
HC2757	5
HC2758	5
HC2759	5

Part No.	Page
HC2760	5
HC2761	5
HC2800	13
HC2801	13
HC2810	14
HC2811	14
HC2812	14
HC2813	14
HC2815	14
HC2820P	15
HC2820R	15
HC2910A	11
HC2911A	11
HC2920A	11
HC2921A	11
HC7915	7
HC7916	7
7876A	4
7876S	3
7877A	4
7878A	4
7878S	3
7910A	4
7911A	4
7912A	4
7913A	4
7913S	3
7914A	4
7914S	3
7917A	4
7949A	4
7950A	4
7951A	4
7952A	4
7956S	3