



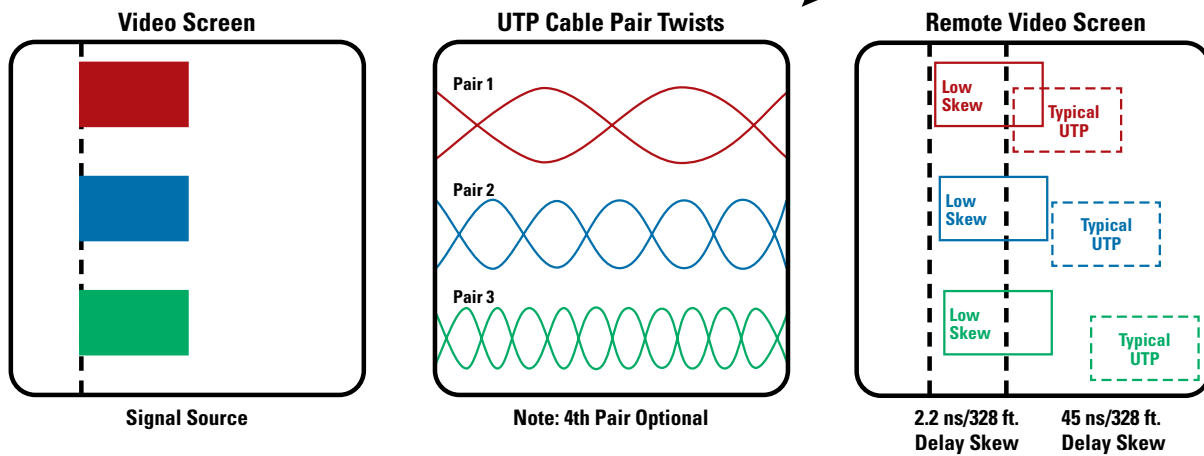
# Low Skew 4 Pair UTP Cables for RGB Video



General Cable's **Carol® Brand Low Skew UTP Cable** is manufactured for your RGB video and Digital CCTV camera needs. While the basic elements of the Low Skew Cable construction are similar to a UTP Cable (Category cable) used for data transmission, the design of the pair twists is the secret to delivering information in a manner necessary for streaming high-quality video.

Your cable selection should be based on your application's electrical and mechanical needs, optimizing your system performance and cost. All Carol Brand coaxial cable and UTP cables are manufactured to the highest standards, providing low structural return loss (signal noise in the form of Echo), providing maximum performance.

The cable performance chart shown below is intended to provide comparative data to assist you in choosing the right cable. The values are based on maximum distance while maintaining minimum acceptable skew. Note that TIA/EIA standards for RGB require a maximum of 40 nsec per 328' and Cat 5e maximum of 45 nsec per 328' for Time Delay Skew (the difference between the fastest and slowest signal). Carol Brand Low Skew Cable allows for a compact, cost-effective cable solution over considerably longer cable run options. A prudent design also considers maximum allowed attenuation based on active and passive components and installation considerations within your system design. A more typical installation length is 328 feet, which allows for optimum signal clarity and crisp, brilliant video resolution.





Cable Typical 24 AWG Conductors	Time Delay Skew nsec/328 ft. (max)	RGB (TIA/EIA Spec calls for Max 40 ns/328 ft.)			Cost* \$/328 ft.	Applications
		Max Distance ft.	Typical Attenuation @ 100MHz dB/328 ft.	Test Frequency MHz		
Cat 3 LAN	45	292	16.0	55	1	Paging and Video Intercom
Cat 5e LAN	45	328	19.3	100	2	Private CCTV
10G BASE-T (Cat 6A)	35	370	39.5	500	7	Mass Data Centers less than 55 ft.
Cat 6 LAN	30	440	41.0	250	4	Monitor and Analog Video
Cat 6+ LAN	25	530	43.5	350	5	Projection on large auditorium
Cat 6++ LAN	10	1300	45.6	500	6	Monitor and VDT display
Coax Component Video	9	1460	16.2	3000	8	HDTV, Broadcast, RF
Low Skew UTP	2.2	5960	22.0	450	3	Analog Video or Digital CCTV, RGB Video (Not intended for CATV)

\*Lowest cost = \$1

For more information, contact your local General Cable representative.





**24 AWG 4 PAIR UTP**

CATALOG NUMBER	AWG SIZE	NOM. DCR	NOM. O.D. INCHES	INSULATION MATERIAL		NOMINAL IMPEDANCE, OHMS	PROPAGATION DELAY SKEW	NOMINAL ATTENUATION		BELDEN PART NO.
				INCHES	mm			MHz	dB/328 ft.	
<b>Low Skew Type</b>										
<b>E3842S CMP</b> 	24 AWG Solid Bare Copper	27.4Ω/Mft.	0.185	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft.	1	2.0	7987P
				4	4.1					
				8	5.8					
				10	6.5					
				16	8.2					
				20	9.3					
				25	10.4					
				31.25	11.7					
				62.5	17.0					
				100	22.0					
				155	28.1					
				200	32.0					
				250*	36.4					
300*	41.0									
350*	44.8									
<b>E1842S CMR</b> 	24 AWG Solid Bare Copper	27.4Ω/Mft.	0.185	High Density Propylene (HDPE)		100	2.2 ns/328 ft.	1	2.0	7987R
				4	4.1					
				8	5.8					
				10	6.5					
				16	8.2					
				20	9.3					
				25	10.4					
				31.25	11.7					
				62.5	17.0					
				100	22.0					
				155	28.1					
				200	32.0					
				250*	36.4					
300*	41.0									
350*	44.8									

\* For information only

**23 AWG 4 PAIR UTP**

CATALOG NUMBER	AWG SIZE	NOM. DCR	NOM. O.D. INCHES	INSULATION MATERIAL		NOMINAL IMPEDANCE, OHMS	PROPAGATION DELAY SKEW	NOMINAL ATTENUATION		BELDEN PART NO.
				INCHES	mm			MHz	dB/328 ft.	
<b>Low Skew Type</b>										
<b>E3843S CMP</b> 	23 AWG Solid Bare Copper	22.0Ω/Mft.	0.200	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft.	1	2.0	7989P
				4	3.8					
				8	5.3					
				10	6.0					
				16	7.6					
				20	8.5					
				25	9.5					
				31.25	10.7					
				62.5	15.4					
				100	19.8					
				155	25.2					
				200	29.0					
				250	32.8					
300*	35.2									
350*	39.8									
<b>E1843S CMR</b> 	23 AWG Solid Bare Copper	22.0Ω/Mft.	0.213	High Density Propylene (HDPE)		100	2.2 ns/328 ft.	1	2.0	7989R
				4	3.8					
				8	5.3					
				10	6.0					
				16	7.6					
				20	8.5					
				25	9.5					
				31.25	10.7					
				62.5	15.4					
				100	19.8					
				155	25.2					
				200	29.0					
				250*	32.8					
300*	35.2									
350*	39.8									

\* For information only

**Product Construction:**

- Conductor: • 23 or 24 AWG Solid Bare Copper
- Insulation: • Fluorinated Ethylene Propylene (FEP)
- High Density Propylene (HDPE)
- Jacket: • Plenum - Flexguard® Green
- Riser - PVC Maroon

**Applications:**

- Suitable for RGB Video Applications
- Digital CCTV Cameras

**Industry Approvals:**

- NEC Article 800 Type CMR (UL), c(UL)
- NEC Article 800 Type CMP (UL), c(UL)

**Packaging:**

- 1000' Pull-Pacs®
- Contact Customer Service for Additional Packing Options



**Color Code Chart**

Pair	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

# Coaxial Cable Solutions Guide

General Cable offers a complete line of Carol® Brand Coaxial Cables for today's sophisticated high-speed, wide-bandwidth electronics products that run over long distances with minimal signal loss or degradation.

General Cable has the right coaxial cable to serve every application, including:

- CATV/MATV/DBS
- HDTV/SDI
- CCTV

The General Cable Coaxial Cable Solutions Guide is a quick-reference tool to make it easier to specify and sell the right cable for the required application – residential, commercial, entertainment and security. Whatever the application calls for, we have a coaxial cable that delivers the performance your customers need.



## CATV/MATV/DBS



Broadband signal, 5MHz–3GHz, VHF/UHF, is traditionally transmitted as an analog signal received directly off air (MATV) or delivered as a community access television (CATV) service and uses a 75 Ohm system.


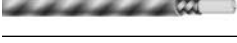

**Recommended Coaxial Cable Construction:** Copper clad steel (CCS) conductor with a foam polyethylene or Teflon\* core, an aluminum/Mylar\* foil, a minimum of 60% braid, which is typically aluminum (AL) for this application, and a PVC jacket.

For home use, a CM rated coax should be used. A commercial application may require a National Electrical Code (NEC 800 or 725) Riser (CMR) or Plenum (CMP) rated cable. Economical cable solutions use low smoke PVC (75°C) jackets. Teflon\* (FEP) and other fluoropolymer materials (150°C) may be used to provide a more durable and higher-temperature cable alternative.

It is a common misconception that RG 6 coax is "better" than RG 59. While RG 6 has become the industry standard and is an excellent value, it is a larger cable than RG 59. RG 6 allows the same signal level to be delivered a greater distance. This is expressed as a decibel value at particular frequencies. For example, at 100 MHz, General Cable's Carol® Brand part number C5775 RG 6 coax cable has an attenuation value of 2.05 db/100'. A similar construction Carol® Brand part number C5782 RG 59 coax cable exhibits an attenuation value (loss) at 100 MHz frequency of 2.70 db/100'. This may or may not be significant, depending on the input signal level and distance of the cable run.

For a longer cable run, or if the coax cable is planned for use as the backbone in a system, Carol® Brand part number C5039 RG 11 coax cable should be used, because its attenuation at 100 MHz frequency is 1.30 db/100'.

### CATV/MATV/DBS RG 59, RG 6 and RG 11 Ratings

Coax Solution	Carol	Belden	Genesis	West Penn	Commscope
 RG 6 CCS/Foil/60% AL Braid CATV/CM	C5775	9116/1829A	5303	841	5726
 RG 6 CCS/Foil/60% AL Braid CATVR/CMR	C5886	9116R	—	—	—
 RG 6 CCS/Quad/Foil/60%/40% AL Braid CATV/CM	C5785	1189A	5307	Q841	5740
 RG 6 CCS/Quad/Foil/60%/40% AL Braid CATVR/CMR	C5889	1884A	—	—	—
 RG 6 CCS/Foil/60% AL Braid CMP - Plenum	C3524	9116P	—	25841	2275K
 RG 6 CCS/Quad/Foil/60%/40% AL Braid CMP - Plenum	C3525	1189AP	—	25Q841	—
 RG 11 CCS/Foil/60% AL Braid CATV/CM	C5039	1525A	—	—	5913
 RG 11 CCS/Foil/60% AL Braid CL2P/CMP - Plenum	C3528	1523AP	—	—	2285K

\*Note: DuPont™ trademark

**HDTV/SDI**



A DTV signal is a television signal provided in a digital form. Data bits, like in a computer, provide a dramatically better picture and better sound quality called High Definition TV (HDTV). HDTV is the highest quality of DTV and is only one of the available formats. In addition to enhanced picture quality, the DTV signal allows several program streams (multicasting) on one channel, providing more program potential, as well as interactive services.

Serial Digital Interface (SDI) is the standard for digital video transmission over coaxial cable. The SMPTE 295M standard provides maximum distances (300 meters; 140 meters for High Definition), typically at 270 Mbps with 540 Mbps possible over a coaxial cable.

**Recommended Coax Cable Construction:** Cable providing signal to and within the home/building will continue to be CCS construction (C5775, C5785). Cables with SBC conductors (395011, 495025) are recommended for the interconnect between the decoder box and other electronic devices (TV, DVD, DVR, CD, Bluray).

**HDTV/SDI—Interconnect Cables RG 59, RG 6 and RG 11 Ratings**

Coax Solution	Carol	Belden	Genesis	West Penn	Commscope
 RG 59 SBC/Foil/95% TC Braid CMR	395025	1505A	5361	819	5553
 RG 59 SBC/Miniature/Foil/95% TC Braid CMR - Single	395031	1855A	—	—	—
 RGB - Overall jacket containing 3 x 395031	395031X3	—	—	—	—
 RGB - Overall jacket containing 5 x 395031	395031X5	—	—	—	—
 RG 59 SBC/Foil/95% TC Braid CMP - Plenum	495023	1506A	—	—	—
 RG 6 SBC/Foil/95% TC Braid CMR	395011	1694A	—	—	5765
 RG 6 SBC/Foil/95% TC Braid CMP - Plenum	495025	1695A	—	—	—
 RG 11 SBC/Foil/95% TC Braid CMR	395029	7731A	—	—	—
 RG 11 SBC/Foil/95% TC Braid CMP - Plenum	495027	7732A	—	—	2286K




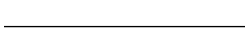


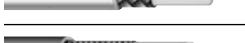
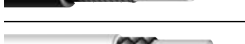
**CCTV**



Closed Circuit TV (CCTV) signals are typically lower-frequency analog signals. Attenuation increases as frequency increases, therefore lower baseband signals are able to travel longer distances on an RG 59 type coaxial cable than a higher-frequency television signal. This is why RG 59 is the most common coax for CCTV. It is becoming more common for Unshielded Twisted Pair (UTP) products, like Category 5e and 6 cables, to be used for Closed Circuit over Twisted Pair (CCTP) or Web-enabled cameras implemented over a Power over Ethernet network architecture; however, these solutions require the use of specialized equipment.

**Recommended Coax Cable Construction:** Solid bare copper (SBC) conductor and a bare copper (BC) braid shield with coverage of 90-95% to minimize signal loss of both the horizontal and vertical sync signals. Stranded conductors are recommended for pan, zoom, tilt (PZT) cameras.

**CCTV RG 59 and RG 11 Ratings**

Coax Solution	Carol	Belden	Genesis	West Penn	Commscope
 RG 59 SBC/95% BC Braid CM	C1142	543945	5001	—	—
 RG 59 Stranded (7/30) BC/95% BC Braid CM	C1103	9259	—	—	—
 RG 59 Stranded (7/30) BC/95% BC Braid + 22 AWG (7/30) Shielded Pair CM	C8025	9265	—	—	—
 RG 59 SBC/95% BC Braid + 18 AWG (7/26) Unshielded Pair CM	C8028	549945	—	—	—
 RG 59 SBC/95% BC Braid + 18 AWG (7/26) Unshielded Pair CMP - Plenum	C8030	649948	—	—	—
 RG 59 SBC/95% BC Braid CMP - Plenum	495028	643948	5351	25815	2037V
 RG 11 SBC/95% BC Braid CM	395058	513945	—	811	5905
 RG 11 SBC/95% BC Braid CMP - Plenum	495015	613948	—	—	2286K
 RG 6 BC/95% BC Braid CMP - Plenum	495035	—	—	—	2277V

**\*Abbreviation Key**

AL - aluminum    SBC - solid bare copper    CCS- copper clad steel    BC - bare copper    TC - tinned copper



## Carol® Brand Alarm & Security Solutions

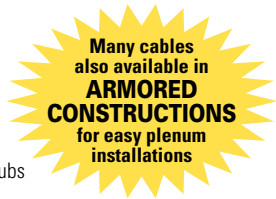
General Cable's Carol® Brand is the right solution for alarm and security wire and cable. Carol offers as broad an offering as anyone in the industry. Our Alarm and Security Solutions Guide makes it easier to specify and sell the right cables for every application in this ever-growing market.

There are five basic areas where alarm and security cables are used. General Cable has the right product to serve every application, including:

- Access Control
- Video Surveillance/CCTV
- Fire Alarm and Life Safety
- Home Theater and Burglar Alarms
- Data Communications

Our alarm and security cables offer solutions in all these major security applications markets, including:

- Commercial Buildings
- Residential Housing
- Business and Office Campus Environments
- Public Stadiums and Arenas
- Airport, Train, Bus and Other Transportation Hubs
- Schools, Colleges and Universities



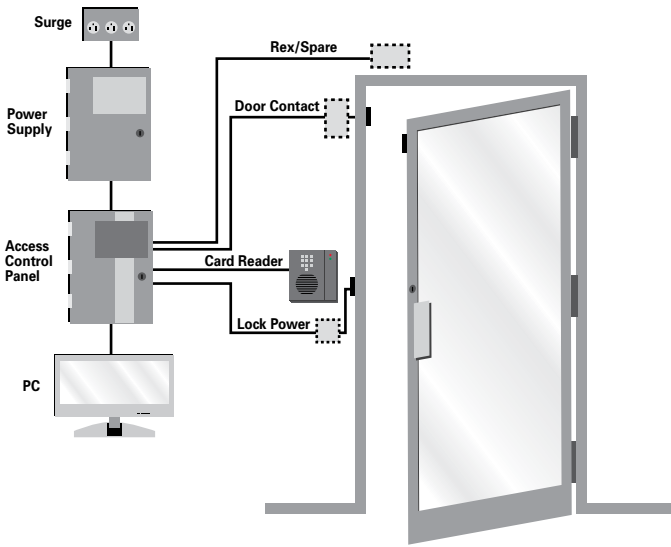
The General Cable Alarm and Security Solutions Guide provides a quick and easy reference tool to identify every Carol® Brand cable for the appropriate alarm and security application. Whatever the security application need calls for, we have a cable that delivers the performance you need.

### Access Control



**Applications:**

- Door Controllers
- Prox Sensors
- Key Pads
- Card Readers
- Gate Access



Cable Solution	Description
4EPL4S*	4 Shielded Elements Overall Jacket Access Control Plenum
4EPL1S*	4 Elements 1 Shielded Overall Jacket Access Control Plenum
4ERS4S**	4 Shielded Elements Overall Jacket Access Control Riser
4ERS1S**	4 Elements 1 Shielded Overall Jacket Access Control Riser
E2002S	22/2 Conductor Shielded Riser
E2004S	22/4 Conductor Shielded Riser
E2006S	22/6 Conductor Shielded Riser
E2008S	22/8 Conductor Shielded Riser
E2010S	22/10 Conductor Shielded Riser
E2012S	22/12 Conductor Shielded Riser
E2102S	22/2 Conductor Shielded Plenum
E2104S	22/4 Conductor Shielded Plenum
E2106S	22/6 Conductor Shielded Plenum
E2108S	22/8 Conductor Shielded Plenum
E2032S	18/2 Conductor Shielded Riser
E2034S	18/4 Conductor Shielded Riser
E2036S	18/6 Conductor Shielded Riser
E2038S	18/8 Conductor Shielded Riser

Cable Solution	Description
E2202S	18/2 Conductor Shielded Plenum
E2204S	18/4 Conductor Shielded Plenum
E2206S	18/6 Conductor Shielded Plenum
E2208S	18/8 Conductor Shielded Plenum

**Carol® Brand Composite Access Control Cable – Plenum**  
(3) Multi-Conductors • (1) Multi-Pair • Overall Jacket  
60°C 300 Volt (UL) & C(UL) Type CMP

Catalog Number	Overall Nominal OD Inch (mm)	Component No.	Component Descriptions	Conductors Color Code	Component Nominal OD Inch (mm)	Insulation Thickness Inch (mm)
4EPL4S	0.430	1	4 Cond, 18 AWG, Shielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.93)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Shielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Shielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)
4EPL1S	0.420	1	4 Cond, 18 AWG, Unshielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.93)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Unshielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Unshielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)

**Carol® Brand Composite Access Control Cable – Riser**  
(3) Multi-Conductors • (1) Multi-Pair • Overall Jacket  
60°C 300 Volt (UL) & C(UL) Type CMR

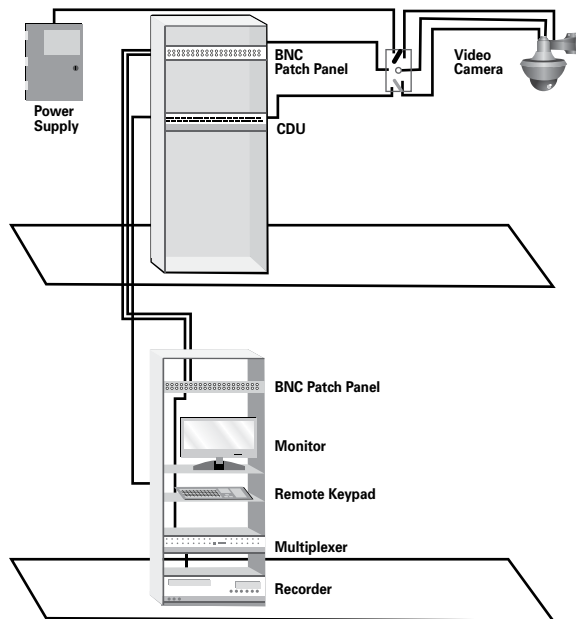
Catalog Number	Overall Nominal OD Inch (mm)	Component No.	Component Descriptions	Conductors Color Code	Component Nominal OD Inch (mm)	Insulation Thickness Inch (mm)
4ERS4S	0.430	1	4 Cond, 18 AWG, Shielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.93)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Shielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Shielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)
4ERS1S	0.420	1	4 Cond, 18 AWG, Unshielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.93)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Unshielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Unshielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)



### Video Surveillance/CCTV



**Applications:**  
 CCTV  
 Satellites  
 Digital Video  
 Analog Video  
 Switchers/Multiplexers  
 Digital Recorders



#### CATV/MATV/DBS RG 59, RG 6 and RG 11 Ratings

Cable Solution	Description
C3521	RG 6/U 18/1 FL + 95% TC CL2P
C3523	RG 6 SBC/Foil/61% TC Braid Plenum
C3524	RG 6 CCS/Foil/60% AL Braid Plenum
C3525	RG 6 CCS/Quad 60/40% AL Braid Plenum
C5761	RG 6 SBC Foil/95% BC Braid CATV/CM
C5775	RG 6 CCS/Foil/60% AL Braid CATV/CM
C5785	RG 6 CCS/Quad 60/40% AL Braid CATV/CM
C5886	RG 6 CCS/Foil/60% AL Braid CATVR/CMR
C5889	RG 6 CCS/Quad 60/40% AL Braid CATVR/CMR
C3528	RG 11 CCS/Foil/60%/AL Braid CATV/CMP Plenum
C5039	RG 11 CCS/Foil/60%/AL Braid CATV/CM
C5043	RG 11/U CCS Burial FL 60% AL
C5044	RG 11/U CCS Quad Shield CL2/CM
C1135	RG 59/U CCS 95% BC Braid CM
C3500	RG 59 CCS/95% BC Braid Plenum
C3526	RG 59/U CCS AMA/80% AL Braid CLP2/CMP

#### HDTV/SDI—Interconnect Cables RG 59, RG 6 and RG 11 Ratings

Cable Solution	Description
395011	RG 6 SBC/Foil/95% TC Braid CMR
395014	RG 6/U 18/1 SBC Quad Shield 60%/40% CMR
495025	RG 6/U 18 AWG SBC 95% Dual Foil TC Braid CMP Plenum
395025	RG 59 SBC/Foil/95% TC Braid CMR
395031	RG 59 Single/Miniature/Foil/95% TC Braid CMR
495023	RG 59/U SBC/Foil/95% TC Braid CMP Plenum

#### Low Skew - 4 Pair UTP Cables for RGB Video

Cable Solution	Description
E3842S	Low Skew 24/4 UTP CMP for RGB Video
E1842S	Low Skew 24/4 UTP CMR for RGB Video
E3843S	Low Skew 23/4 UTP CMP for RGB Video
E1843S	Low Skew 23/4 UTP CMR for RGB Video

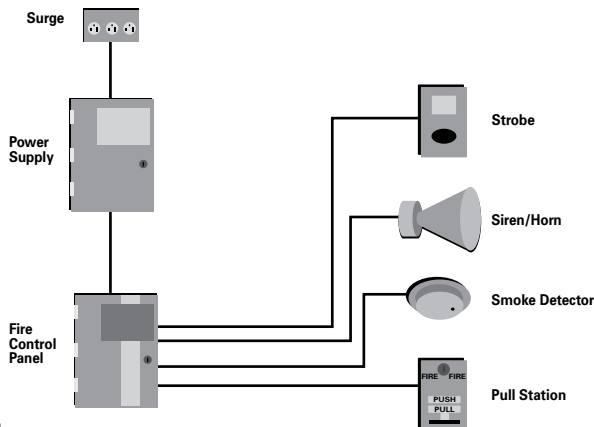
#### CCTV RG 59 and RG 11 Ratings

Cable Solution	Description
C8029	RG 6 + 18/2 Unshielded CATV/CM
C8031	RG 6/U SBC/95% + 18/2 Unshielded Pair CMP Plenum
495035	RG 6/U 18 AWG SBC 95% BC CMP Plenum
395058	RG 11 SBC/95% BC Braid CM
495015	RG 11 SBC/95% BC Braid CMP Plenum
C1103	RG 59 BC/95% BC Braid CATV/CM
C1142	RG 59 SBC/95% BC Braid CATV/CM
C8025	RG 59/U STR (7/30) BC/95% + 22/2 SH Pair CCTV/CM
C8027	RG 59 + 18/2 Shielded CATV/CM
C8028	RG 59 + 18/2 Unshielded CATV/CM
C8030	RG 59/U SBC/95% + 18/2 Unshielded Pair CCTV Plenum
495028	RG 59 SBC/95% BC Braid CMP Plenum

### Fire Alarm and Life Safety



**Applications:**  
 Smoke Detectors  
 Strobes/Sirens  
 Pull Stations  
 Microprocessor/  
 Addressable  
 Controlled Systems



Cable Solution	Description
E1502S	18/2 Conductor Riser FPLR
E1504S	18/4 Conductor Riser FPLR
E1522S	14/2 Conductor Riser FPLR
E1524S	14/4 Conductor Riser FPLR
E2502S	18/2 Conductor Shielded Riser FPLR
E2504S	18/4 Conductor Shielded Riser FPLR
E2532S	14/2 Conductor Shielded Riser FPLR
E2534S	14/4 Conductor Shielded Riser FPLR
E3502S	18/2 Conductor Plenum FPLP
E3504S	18/4 Conductor Plenum FPLP
E3522S	14/2 Conductor Plenum FPLP
E3524S	14/4 Conductor Plenum FPLP

Cable Solution	Description
E3602S	18/2 Conductor Shielded Plenum FPLP
E3604S	18/4 Conductor Shielded Plenum FPLP
E3622S	14/2 Conductor Shielded Plenum FPLP
E3624S	14/4 Conductor Shielded Plenum FPLP



## Carol® Brand Alarm & Security Solutions

### Home Theater and Burglar Alarms



**Applications:**

- Intercoms
- PA Systems
- Sound Systems
- Emergency Phones
- Speakers
- Burglar Alarms
- Home Theater

**Cable Solution Description**

C1000	Command® Series Twisted Pair Speaker, 22/2, 7x30 Stranding, 500' Reels
C1001	Command Series Twisted Pair Speaker, 20/2, 7x28 Stranding, 500' Reels
C1002	Command Series Twisted Pair Speaker, 18/2, 7x26 Stranding, 500' Reels
C1003	Command Series Twisted Pair Speaker, 16/2, 19x29 Stranding, 500' Reels
C1004	Command Series Twisted Pair Speaker, 14/2, 42x30 Stranding, 500' Reels
C1005	Command Series Twisted Pair Speaker, 12/2, 65x30 Stranding, 500' Reels
C1362	22/2 Conductor Zip (not for inwall use)
C1357	18/2 Conductor Zip (not for inwall use)
C1458	16/2 Conductor Zip CL2
C1461	14/2 Conductor Zip CL2
C1463	12/2 Conductor Zip CL2
C1702	14/2 Command Series Home Grade Speaker
C1703	14/4 Command Series Home Grade Speaker
C1704	16/2 Command Series Home Grade Speaker
C1705	16/4 Command Series Home Grade Speaker
C1800	Command Series "High Def" Speaker Type NEC, 12/2, 105x32 Stranding, 500' Reels
C1801	Command Series "High Def" Speaker Type NEC, 12/4, 105x32 Stranding, 500' Reels
C1802	Command Series "High Def" Speaker Type NEC, 14/2, 105x34 Stranding, 500' Boxes
C1803	Command Series "High Def" Speaker Type NEC, 14/4, 105x34 Stranding, 500' Reels
C1804	Command Series "High Def" Speaker Type NEC, 16/2, 65x34 Stranding, 500' Boxes
C1805	Command Series "High Def" Speaker Type NEC, 16/4, 65x34 Stranding, 500' Boxes
395031X3	23/3 Command Series RGB Cables, Solid BC, Foam PE, Dual Foil + 95% TC Braid
395031X5	23/5 Command Series RGB Cables, Solid BC, Foam PE, Dual Foil + 95% TC Braid

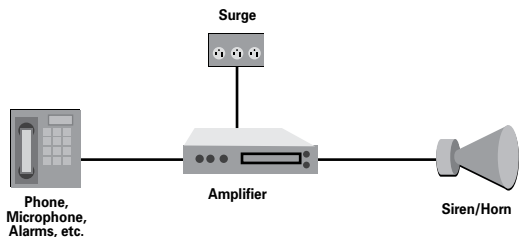
**Cable Solution Description**

E1002S	22/2 Conductor Riser
E1004S	22/4 Conductor Riser
C4408	22/2 Solid Conductor CMR/CMX
C4408ST	22/2 Stranded Conductor CMR/CMX
C4412	22/4 Solid Conductor Solid CMR/CMX
C4412ST	22/4 Stranded Conductor CMR/CMX
C4408.86.XX	22/2 Solid Conductor CM/CMX*
C4408ST.86.XX	22/2 Stranded Conductor CM/CMX*
C4412.86.XX	22/4 Solid Conductor CM/CMX*
C4412ST.86.XX	22/4 Stranded Conductor CM/CMX*
E1006S	22/6 Conductor Riser
E1008S	22/8 Conductor Riser
E1032S	18/2 Conductor Riser
E1034S	18/4 Conductor Riser
E1042S	16/2 Conductor Riser
E1044S	16/4 Conductor Riser
E1052S	14/2 Conductor Riser
E1054S	14/4 Conductor Riser
E1062S	12/2 Conductor Riser
E1064S	12/4 Conductor Riser

**Burglar Alarm Cable in 500' Coil Packs\***

**Oxygen-Free + ETP High-Performance Home Theater Cables**

\*Available Colors for Burglar Alarm Coil Packs  
XX= White Gray Green Beige Yellow Dark Blue



**Cat 5e PPC®**

Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR5.30.07	CP5.30.07
White	CR5.30.02	CP5.30.02
Gray	CR5.30.10	CP5.30.10
Green	CR5.30.06	CP5.30.06
Yellow	CR5.30.05	CP5.30.05
Red	CR5.30.03	CP5.30.03

**Cat 6 PPC®**

Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR6.30.07	CP6.30.07
White	CR6.30.02	CP6.30.02
Gray	CR6.30.10	CP6.30.10
Green	CR6.30.06	CP6.30.06
Yellow	CR6.30.05	CP6.30.05
Red	CR6.30.03	CP6.30.03

**Data Communications**



**Applications:**

- Telephones
- Cat 5e and 6 Connections
- Networking
- Workstations
- Video Conferencing
- Telco Closets
- Home Automation
- IP Cameras

**Cat 5e SPC®**

Standard packaging: 1000' Spool-Pac®

Jacket Color	Spool-Pac®	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR5.A3.07	CP5.A3.07
White	CR5.A3.02	CP5.A3.02
Gray	CR5.A3.10	CP5.A3.10
Green	CR5.A3.06	CP5.A3.06
Yellow	CR5.A3.05	CP5.A3.05
Red	CR5.A3.03	CP5.A3.03

**Cat 6 SPC®**

Standard packaging: 1000' Spool-Pac®

Jacket Color	Spool-Pac®	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR6.A3.07	CP6.A3.07
White	CR6.A3.02	CP6.A3.02
Gray	CR6.A3.10	CP6.A3.10
Green	CR6.A3.06	CP6.A3.06
Yellow	CR6.A3.05	CP6.A3.05
Red	CR6.A3.03	CP6.A3.03