

**CAROL  
BRAND**

# Alarm & Security

## SOLUTIONS

**SHEER WIRE™**

Now Featuring  
Sheer Wire™ Cables  
for Lighting Control &  
Touch Panel Systems

06 52

*Access Control*  
*Video Surveillance*  
*Fire Alarm*  
*Life Safety*  
*Home Theater*  
*Burglar Alarms*  
*Data Communications*  
*Component Video*  
*Lighting Control and*  
*Touch Panel Systems*

 **General Cable**

# 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 seven 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
- Component Video
- Lighting Control & Touch Panel Systems
- 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.

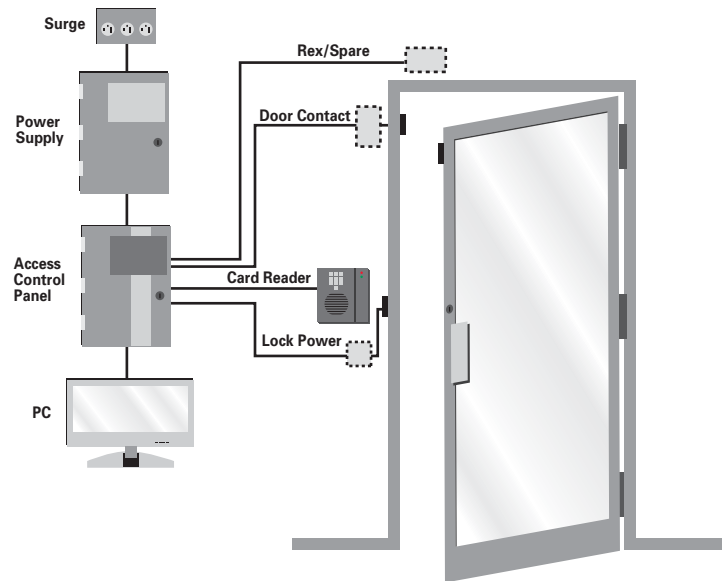
## Access Control



### 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**
ZF22C0186519	18C Composite Access Control Plenum
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



Cable Solution	Description
E2038S	18/8 Conductor Shielded Riser
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 O.D. Inch (mm)	Component No.	Component Descriptions	Conductors Color Code	Component Nominal O.D. 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 (4.933)	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 (4.933)	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 O.D. Inch (mm)	Component No.	Component Descriptions	Conductors Color Code	Component Nominal O.D. 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 (4.933)	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 (4.933)	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  
Component Video

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

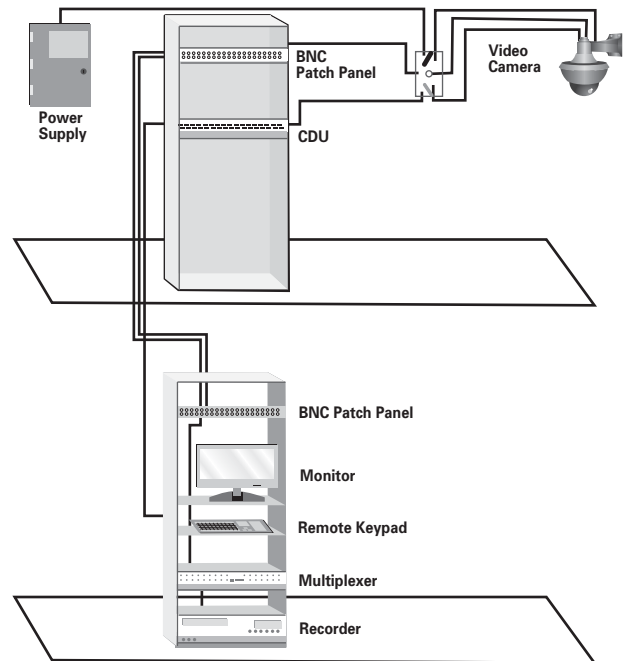
Cable Solution	Description
C3521	RG 6/U 18/1 FL + 95% TC CL2P
C3523	RG 6 SBC/Foil/61% TC Braid Plenum
C3524	RG 6 CCS/Foil/60% AL Braid Plenum
C3525	RG 6 CCS/Quad 60/40% AL Braid Plenum
C5761	RG 6 SBC Foil/95% BC Braid CATV/CM
C5775	RG 6 CCS/Foil/60% AL Braid CATV/CM
C5785	RG 6 CCS/Quad 60/40% AL Braid CATV/CM
C5886	RG 6 CCS/Foil/60% AL Braid CATV/CMR
C5889	RG 6 CCS/Quad 60/40% AL Braid CATV/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
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

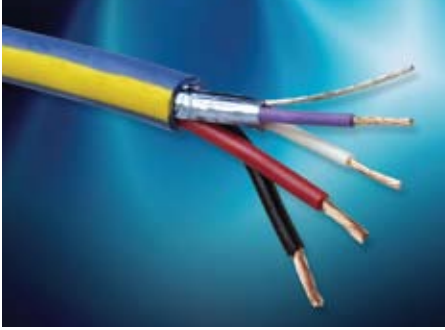
Cable Solution	Description
C8029	RG 6 + 18/2 Unshielded CATV/CM
C8031	RG 6/U SBC/95% + 18/2 Unshielded Pair CMP Plenum
495035	RG 6/U 18 AWG SBC 95% BC CMP Plenum
395058	RG 11 SBC/95% BC Braid CM
495015	RG 11 SBC/95% BC Braid CMP Plenum
C1103	RG 59 BC/95% BC Braid CATV/CM
C1142	RG 59 SBC/95% BC Braid 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

### Component Video/RGB

Cable Solution	Description
253VT9C5	25/3 SBC/Foil/95% TC Braid CMR
255VT9C5	25/5 SBC/Foil/95% TC Braid CMR
256VT9C5	25/6 SBC/Foil/95% TC Braid CMR
265SVT9P	26/5 STC/Foil/95% TC Spiral Serve CL2P



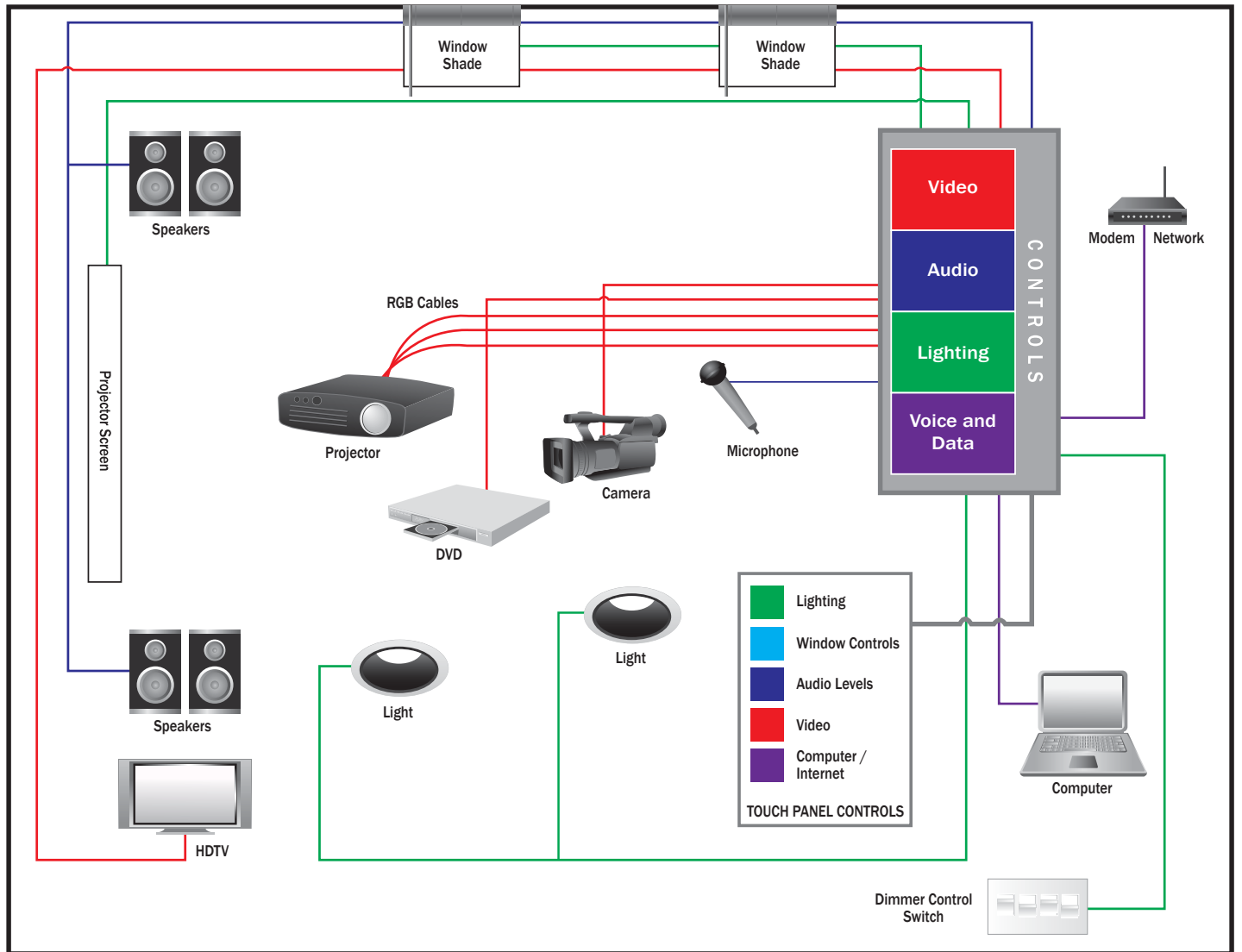
## Sheer Wire™ Lighting Control and Touch Panel Systems



Cable Solution	Description
1618SVA1	18/4 16/30 BC 20 AWG 10/30 + 16/1 PR 26/30 BC (UL) CL3R
1822AXL0	22/1PR 7/30 + 18/2 7/26 (UL) CL3R FT-4
1822CCD8	Touch Panel Composite: 1 Control Element + 2 5e Elements
1822CCT8	Touch Panel Composite: 1 Control Element + 2 5e Elements + 2 RG 6
1822CDC8	22C 5E: (1)18/22CRT-89/04, (1)181VQ6-09, 1181VQ6-00, (2) Cat 5e
1822CRT8	Comp 4C 2E: 22/1PR 7/30 BC 24 AWG 7/32 TC Drain + 1/2C 7/26 BC (UL) CL3R
1822KYP1	Comp 4C 2E: 18/2C 16/30 BC + 22/1PR 7/30 BC Shielded
182LUTDS	18/2 7/26 BC PVC NYLON (UL) TC for Lutron Dimmer & Switch
184LUTDS	18/4 7/26 BC PVC Nylon O/A AM SHLD 20 AWG 7/36 TC Drain PVC
222LUTDS	22/2 7/30 BC PVC O/A AM SHLD 24 AWG 7/32 TC Drain PVC
164LTCH0	16/4 65/34 BC .012" PVC Lite Touch
224SLTCH	22/4 7/30 BC .015 PVC, O/A AM SHLD, 24 7/32 TC Drain/A 0.35 PVC Lite Touch
EF24C0021000	24/2 Conductor Shielded Low Cap Type CMP

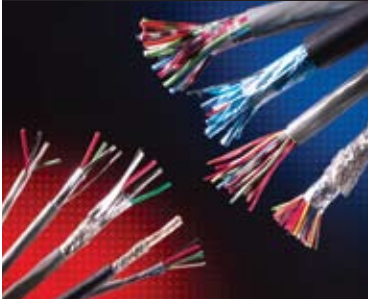
### Applications:

Lighting Controls  
 Window Controls  
 Audio Level Controls  
 Video Controls  
 Computer/Internet Controls



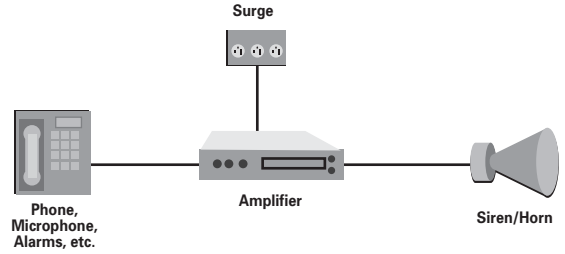
# Carol® Brand Alarm & Security Solutions

## Home Theater and Burglar Alarms



### Applications:

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



Cable Solution	Description
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
C4408.84.XX	22/2 Solid Conductor CM/CMX*
C4408ST.84.XX	22/2 Stranded Conductor CM/CMX*
C4412.84.XX	22/4 Solid Conductor CM/CMX*
C4412ST.84.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
I162SSA65	16/2 Stranded Conductor, High Resolution, Direct Burial CM/CL3
I164SSA65	16/4 Stranded Conductor, High Resolution, Direct Burial CM/CL3
I142SSA41	14/2 Stranded Conductor, High Resolution, Direct Burial CL3
I144SSA41	14/4 Stranded Conductor, High Resolution, Direct Burial CL3
I162OFC65	16/2 Stranded Conductor, High Resolution OFC, Direct Burial CM
I164OFC65	16/4 Stranded Conductor, High Resolution OFC, Direct Burial CM
I142OFC105	14/2 Stranded Conductor, High Resolution OFC, Direct Burial CL3/PLTC
I144OFC105	14/4 Stranded Conductor, High Resolution OFC, Direct Burial CL3/PLTC

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

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

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

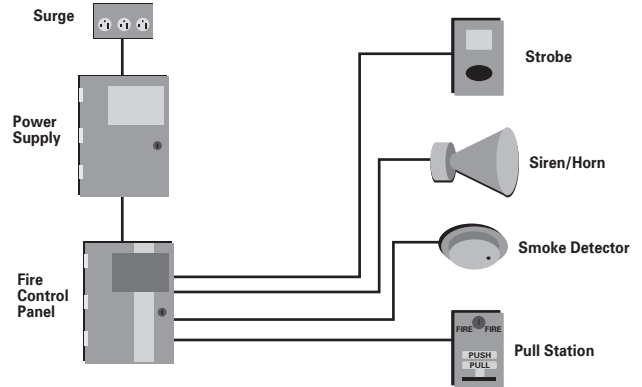
\*Available Colors for Burglar Alarm Coil Packs  
XX = White Gray Green Beige Yellow Dark Blue

# Carol® Brand Alarm & Security Solutions

## 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
I142SVNTC	14/2 Conductor Shielded PVC VNTC
I142VNTC	14/2 Conductor PVC VNTC
I144SVNTC	14/4 Conductor Shielded PVC VNTC
I144VNTC	14/2 Conductor PVC VNTC

## Carol® Brand Helix/Hi-Temp® Data Communications



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

Cable Solution	Description
2133009	Cat 3 24/2 Pair Riser
2133017	Cat 3 24/4 Pair Riser
2131243	Cat 3 24/2 Pair Plenum
2131245	Cat 3 24/4 Pair Plenum

### Cat 5e, 24/4 Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II		Spool-Pac®	
	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR5.30.07	CP5.30.07	CR5.A3.07	CP5.A3.07
White	CR5.30.02	CP5.30.02	CR5.A3.02	CP5.A3.02
Gray	CR5.30.10	CP5.30.10	CR5.A3.10	CP5.A3.10
Green	CR5.30.06	CP5.30.06	CR5.A3.06	CP5.A3.06
Yellow	CR5.30.05	CP5.30.05	CR5.A3.05	CP5.A3.05
Red	CR5.30.03	CP5.30.03	CR5.A3.03	CP5.A3.03

### Cat 6, 23/4 Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II		Spool-Pac®	
	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)
Blue	CR6.30.07	CP6.30.07	CR6.A3.07	CP6.A3.07
White	CR6.30.02	CP6.30.02	CR6.A3.02	CP6.A3.02
Gray	CR6.30.10	CP6.30.10	CR6.A3.10	CP6.A3.10
Green	CR6.30.06	CP6.30.06	CR6.A3.06	CP6.A3.06
Yellow	CR6.30.05	CP6.30.05	CR6.A3.05	CP6.A3.05
Red	CR6.30.03	CP6.30.03	CR6.A3.03	CP6.A3.03



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