

Alarm & Security SOLUTIONS

**CAROL
BRAND**

SHEERWIRE™
BY GEPCO®

Featuring
Sheer Wire™ by Gepco® Cables
for Lighting Control &
Touch Panel Systems

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.

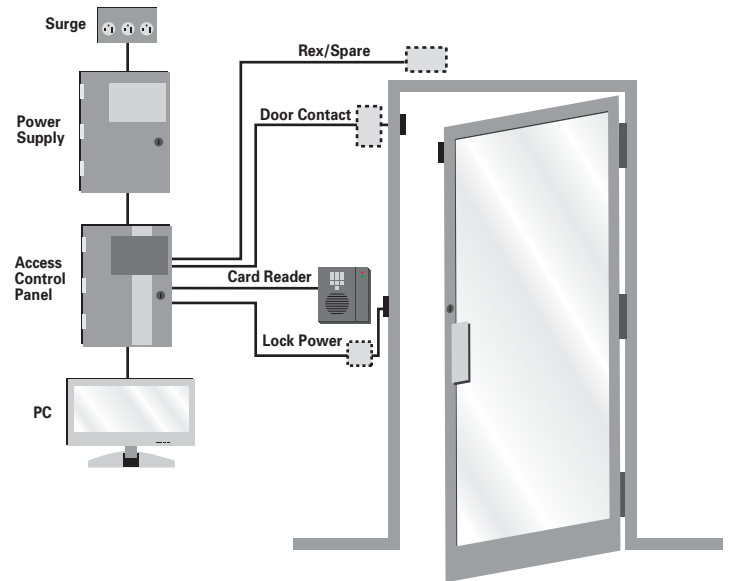
Access Control



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 (4.93)	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 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 (4.93)	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
Component Video

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

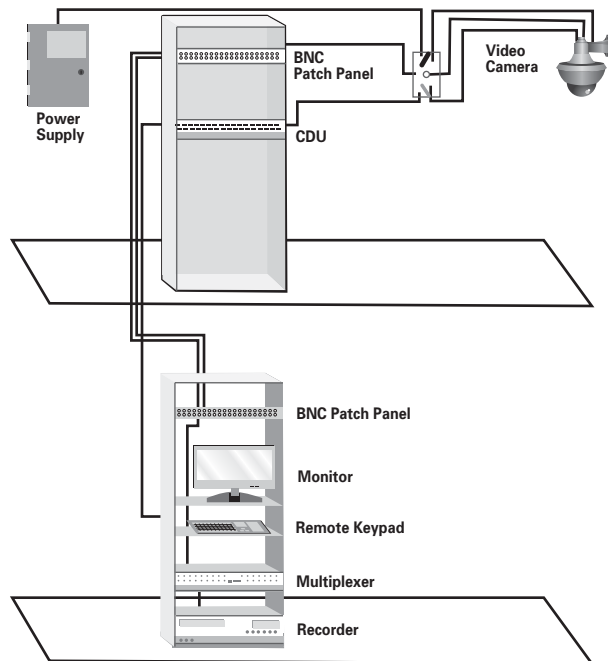
Cable Solution	Description
C3521	RG 6/U 18/1 FL + 95% TC CL2P
C3523	RG 6 SBC/Foil/61% TC Braid Plenum
C3524	RG 6 CCS/Foil/60% AL Braid Plenum
C3525	RG 6 CCS/Quad 60/40% AL Braid Plenum
C5761	RG 6 SBC Foil/95% BC Braid CATV/CM
C5775	RG 6 CCS/Foil/60% AL Braid CATV/CM
C5785	RG 6 CCS/Quad 60/40% AL Braid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



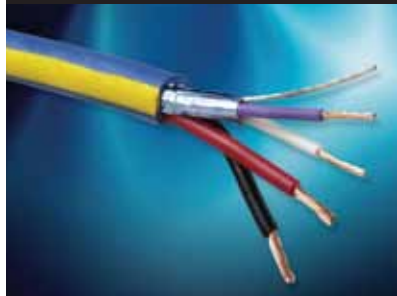
CCTV RG 59 and RG 11 Ratings

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

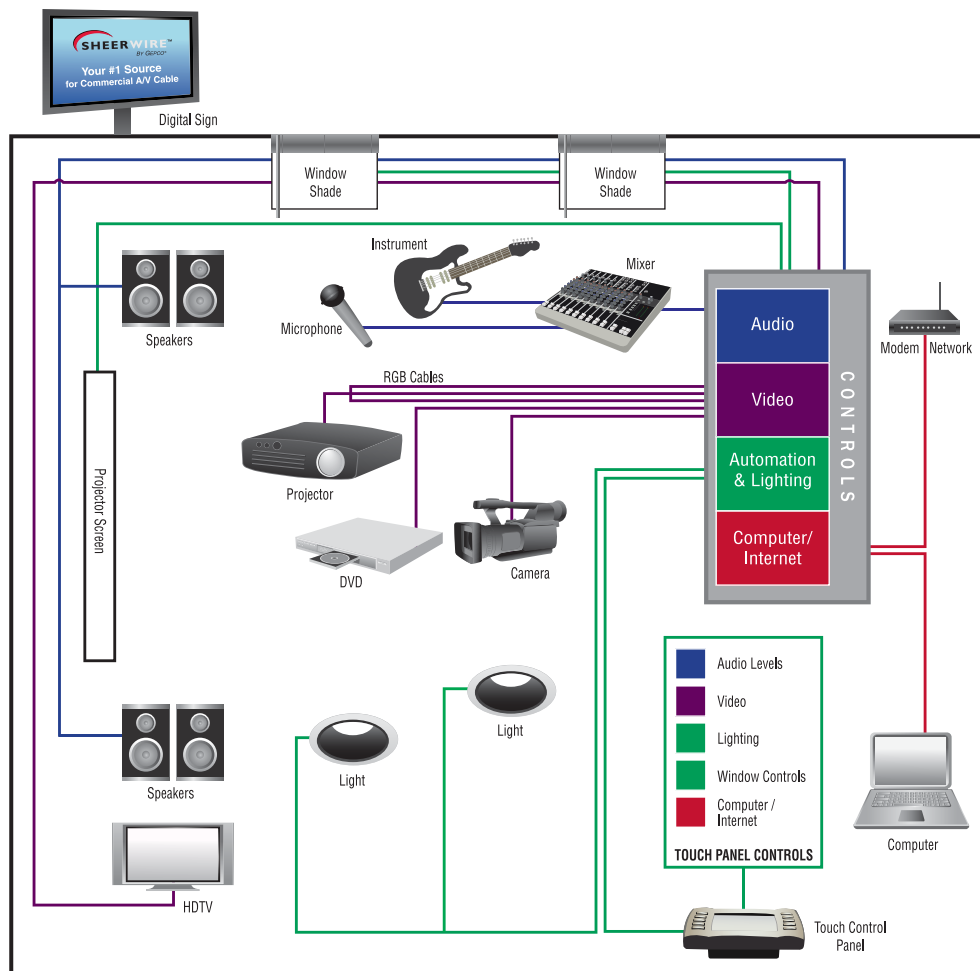
Cable Solution	Description
SV253SR	25/3 SBC/Foil/95% TC Braid CMR
SV255SR	25/5 SBC/Foil/95% TC Braid CMR
SV256SR	25/6 SBC/Foil/95% TC Braid CMR
265SVT90	26/5 STC/Foil/95% TC Spiral Serve CL2P

SheerWire™ by Gepco® Lighting Control and Touch Panel Systems



Applications:

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



Plenum Cable Solution	Non-Plenum Cable Solution	Description
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Automation Control Cables

18/22AXLP	18/22AXL	For Use with AMX® Systems - 22 (7x30) AWG BC 1 Pr Foil Shield/18 (7x26) AWG BC 1 Pr Unshielded, PVC Black CMP/Black CL3R/FT-4
18/22CRTP	18/22CRT	For Use with Crestron® Systems - 22 (7x30) AWG BC 1 Pr Foil Shield/18 (7x26) AWG BC 1 Pr Unshielded, PVC Blue/Yellow Stripe CMP/CL3R, FT-4
	18/22CCT	Hybrid Cables for Use with Crestron® Systems - 1 18/22CRT + 1 Cat 5e, PVC Teal/Red Stripe CL3/FT-4
	18/22CCD	Hybrid Cables for Use with Crestron® Systems - 1 18/22CRT + 2 Cat 5e, PVC Teal /Black Stripe CL3/FT-4
	18/22CCQ	Hybrid Cables for Use with Crestron® Systems - 1 18/22CRT + 4 Cat 5e, PVC Teal/White Stripe CL3/FT-4
	18/22CDC	Hybrid Cables for Use with Crestron® Systems - 1 18/22CRT + 2 Cat 5e + 2 RG6 Quad Coax, PVC Teal/Orange Stripe CL3/FT-4
	164NCAT	Keypad Volume Control 16 (65x34) AWG BC 4 Cond + 1 Cat 5e, PVC Teal/Gray Stripe CM/CL3
	144NCAT	Keypad Volume Control 14 AWG (105x34) BC 4 Cond + 1 Cat 5e, PVC Blue/Gray Stripe CM/CL3

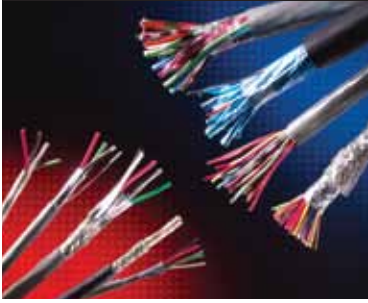
Lighting Control Cables

	164LTCH	Control Station Cable for Use with LiteTouch® Systems - 16 (65x34) AWG BC 4 Cond, PVC Orange CL3/PLTC
	224SLTCH	Enclosure & Module Cable for Use with LiteTouch® Systems - 22 (7x30) AWG BC 4 Cond Foil Shield, PVC Green CM/CL3
	182LUTDS	Power Cable for Use with Lutron® Homeworks® Systems - 18 (7x26) AWG BC 2 Cond Foil Shield, PVC Blue/Pink Stripe TC
	184LUTDS	Power Cable for Use with Lutron® Homeworks® Systems - 18 (7x26) AWG BC 4 Cond Foil Shield, PVC Blue/White Stripe TC
	18/22KYP	Keypad Cable for Use with Lutron® Homeworks® Systems - 22 (7x30) AWG BC 1 Pr Foil Shield + 18 (16x30) AWG BC 1 Pr, PVC Blue/Yellow Stripe CM/CL3
	12/22LGRX	Control Cable for Use with Lutron® GRAFIK Eye® Systems - 22 (7x30) AWG BC 1 Pr Foil Shield + 12 (19x25) AWG BC 1 Pr + Ground, PVC Blue/Blue Stripe CM/CL3
	18/22GFE	Control Cable for Use with Lutron® GRAFIK Eye® Systems - 22 (7x30) AWG BC 1 Pr Foil Shield/18 (16x30) AWG BC 1 Pr, PVC Blue/Green Stripe CM/CL3
	16/18SVA	Hybrid Cable for Use with Lutron® Sivoia® Systems - 18 (716x30) AWG BC 4 Cond Foil Shield + 16 (26x30) AWG BC 2 Cond + Ground, PVC Blue/Red Stripe CM/CL3
16/18SVAP		Hybrid Cable for Use with Lutron® Sivoia® Systems - 18 (716x30) AWG BC 4 Cond Foil Shield + 16 (26x30) AWG BC 2 Cond + Ground, PVC Natural/Red Stripe CL3P/CMP
	162VANT65	Power & Data Cable for Use with Vantage® Systems - 16 (65x34) AWG BC 2 Cond PVC Violet/Yellow Stripe CL3/CM/TC

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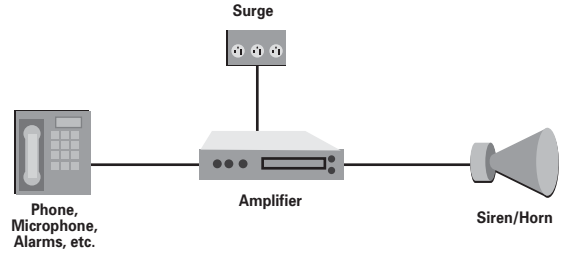
Carol® Brand Alarm & Security Solutions

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
SSUB162	16/2 Stranded Conductor, High Resolution, Direct Burial CM/CL3
SSUB164	16/4 Stranded Conductor, High Resolution, Direct Burial CM/CL3
SSUB142	14/2 Stranded Conductor, High Resolution, Direct Burial CL3
SSUB144	14/4 Stranded Conductor, High Resolution, Direct Burial CL3
SSPUB162	16/2 Stranded Conductor, High Resolution OFC, Direct Burial CM
SSPUB164	16/4 Stranded Conductor, High Resolution OFC, Direct Burial CM
SSPUB142	14/2 Stranded Conductor, High Resolution OFC, Direct Burial CL3/PLTC
SSPUB144	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

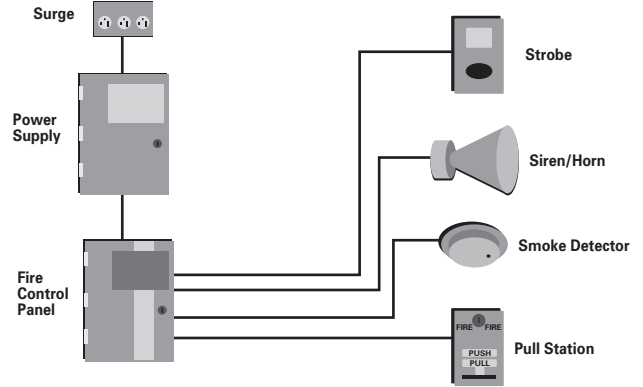
*Available Colors for Burglar Alarm Coil Packs
XX = White Gray Green Beige Yellow Dark Blue

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

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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Form No. CAR-0100-R0811

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