

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.

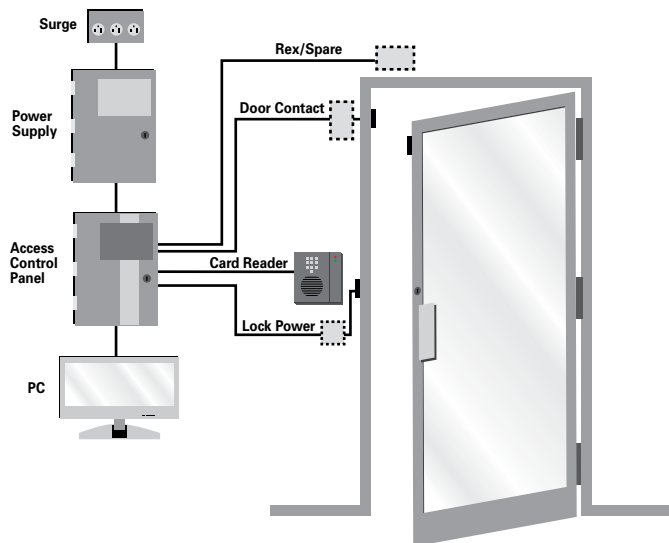
Access Control



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

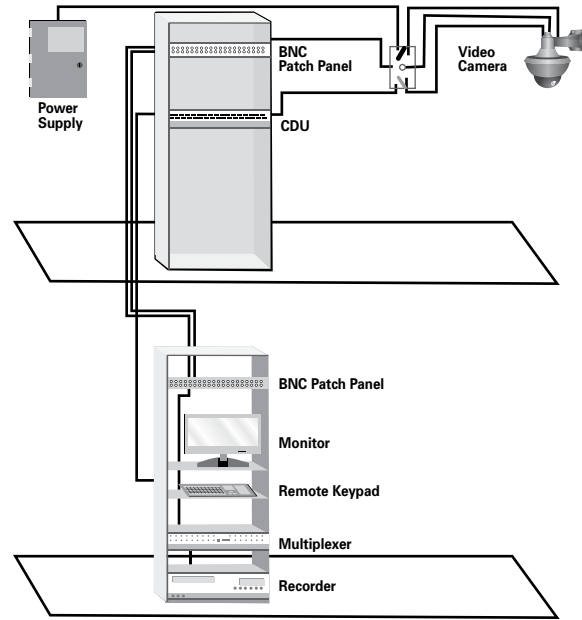
| Catalog Number | Overall Nominal OD Inch (mm) | Component No. | Component Descriptions | Conductors Color Code | Component Nominal OD Inch (mm) | Insulation Thickness Inch (mm) |
|----------------|------------------------------|---------------|----------------------------|--|--------------------------------|--------------------------------|
| 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 |

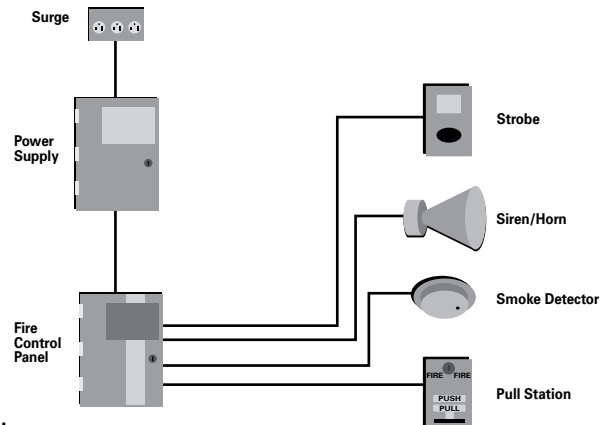
CCTV RG 59 and RG 11 Ratings

| 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 |



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

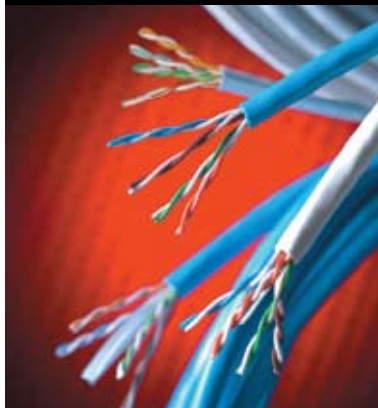
| | |
|---------------|------------------------------------|
| E1002S | 22/2 Conductor Riser |
| E1004S | 22/4 Conductor Riser |
| C4408 | 22/2 Solid Conductor CMR/CMX |
| C4408ST | 22/2 Stranded Conductor CMR/CMX |
| C4412 | 22/4 Solid Conductor Solid CMR/CMX |
| C4412ST | 22/4 Stranded Conductor CMR/CMX |
| 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*

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

Oxygen-Free + ETP High-Performance Home Theater Cables

Carol® Brand Helix/Hi-Temp® Data Communications



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

Cat 5e Pull-Pac® II
 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 Pull-Pac® II
 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 |

Cat 5e Spool-Pac®
 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 Spool-Pac®
 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 |

