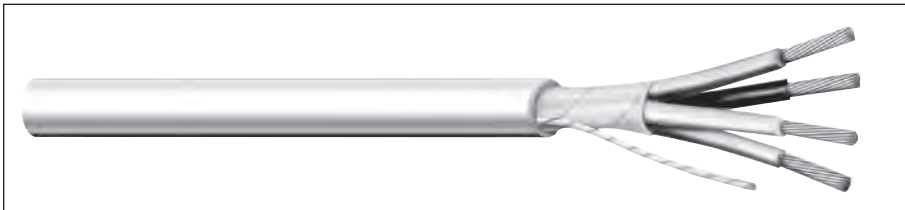


Sound, Alarm & Security Cable



The sound and security industry in the United States has grown from a simple and unsophisticated business, begun some 45 years ago, to one which has developed technology to the degree that specialized wires and cables are now much in demand.

No longer are the security and sound industries characterized by large electromechanical relays and large contactors; today these circuits incorporate the latest in microprocessors and solid state devices to not only improve functionality but also to guarantee performance.

As a major wire producer, our role is to ensure that the wires and cables that go into these systems are as reliable as the other components ... the net result is a fully integrated system which will provide peace of mind to the system user.

Also in this section are General Cable's Carol® Brand wire and cable designs suitable for a variety of applications, both in industrial and commercial

environments, including telephone systems, intercoms, burglar alarms, business machines and thermostats.

Aside from the quality materials used in these designs, specifiers and users of Carol Brand wire and cable products have come to expect that these cables are registered and certified with the leading regulatory agencies such as Underwriters Laboratories ... and we haven't let you down!

Carol Brand designs have proven themselves in the area of sound and security over time; most are fabricated with solid or stranded, bare copper conductors with insulations and jackets of premium grades of PVC. We offer both parallel and cabled designs both with and without shields. Sequential footage markings on the jackets are offered on all products.

General Cable Carol Brand products are conveniently packaged in 1000' or 500' lengths to assist the installer.

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Multi-Conductor, Unshielded, Riser

NEC/CEC Type CMR and/or NEC Type CL3R and FPLR

Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

Jacket:

- Premium-grade PVC, gray
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C
- Includes ripcord

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

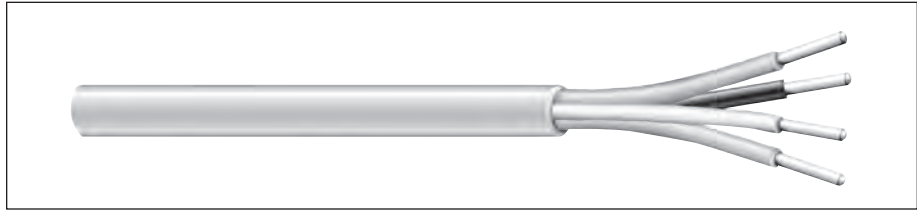
- NEC Article 725 Type CL3R (UL: 75°C, 150 V)
- NEC Article 800 Type CMR (UL: 75°C, 300 V)
- NEC Article 760 Type FPLR (UL: 75°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options

Color Code Chart

| NO. OF COND. | COLOR | NO. OF COND. | COLOR |
|--------------|-------|--------------|--------|
| 1 | Black | 7 | Orange |
| 2 | Red | 8 | Yellow |
| 3 | White | 9 | Purple |
| 4 | Green | 10 | Gray |
| 5 | Brown | 11 | Pink |
| 6 | Blue | 12 | Tan |



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS | | NOM. JACKET WALL | | NOMINAL O.D. | |
|----------------|--------------|----------|--------------|---------------------------|------|------------------|------|--------------|------|
| | | | | in | mm | in | mm | in | mm |
| E1000S | 2 | 22 | Solid | 0.007 | 0.20 | 0.015 | 0.38 | 0.118 | 3.00 |
| E1001S | 4 | 22 | Solid | 0.007 | 0.20 | 0.015 | 0.38 | 0.126 | 3.20 |
| E1002S | 2 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.122 | 3.10 |
| E1003S | 3 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.130 | 3.58 |
| E1004S | 4 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.141 | 3.66 |
| E1006S | 6 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.164 | 4.17 |
| E1008S | 8 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.180 | 4.57 |
| E1010S | 10 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.212 | 5.38 |
| E1012S | 12 | 22 | 7/30 | 0.008 | 0.20 | 0.015 | 0.38 | 0.219 | 5.56 |
| E1022S | 2 | 20 | 7/28 | 0.007 | 0.18 | 0.008 | 0.20 | 0.134 | 3.40 |
| E1023S | 3 | 20 | 7/28 | 0.008 | 0.20 | 0.015 | 0.38 | 0.142 | 3.61 |
| E1024S | 4 | 20 | 7/28 | 0.008 | 0.20 | 0.015 | 0.38 | 0.156 | 3.96 |
| E1030S | 2 | 18 | Solid | 0.008 | 0.20 | 0.015 | 0.38 | 0.144 | 3.66 |
| E1032S | 2 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.154 | 3.91 |
| E1033S | 3 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.163 | 4.14 |
| E1034S | 4 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.180 | 4.57 |
| E1036S | 6 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.216 | 5.49 |
| E1038S | 8 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.245 | 6.22 |
| E1040S | 10 | 18 | 7/26 | 0.008 | 0.20 | 0.015 | 0.38 | 0.282 | 7.16 |
| E1041S | 12 | 18 | 7/26 | 0.009 | 0.23 | 0.015 | 0.38 | 0.291 | 7.39 |
| E1042S | 2 | 16 | 19/.0117 | 0.009 | 0.25 | 0.015 | 0.38 | 0.178 | 4.52 |
| E1043S | 3 | 16 | 19/.0117 | 0.009 | 0.25 | 0.015 | 0.38 | 0.193 | 4.90 |
| E1044S | 4 | 16 | 19/.0117 | 0.009 | 0.25 | 0.015 | 0.38 | 0.210 | 5.33 |
| E1052S* | 2 | 14 | 19/.0147 | 0.013 | 0.33 | 0.015 | 0.38 | 0.224 | 5.69 |
| E1054S* | 4 | 14 | 19/.0147 | 0.013 | 0.33 | 0.015 | 0.38 | 0.264 | 6.71 |
| E1062S* | 2 | 12 | 19/.0185 | 0.013 | 0.33 | 0.015 | 0.38 | 0.260 | 6.60 |
| E1064S* | 4 | 12 | 19/.0185 | 0.013 | 0.33 | 0.015 | 0.38 | 0.312 | 7.92 |

* NEC CL3R/FPLR only
Data subject to change.

Put-Ups and Color Codes

PUT-UP CODES

| | PULL-PAC® | SPOOL-PAC® | SPOOL | REEL |
|-------|-----------|------------|-------|------|
| 100' | - | - | 12 | 33 |
| 250' | - | - | 15 | 35 |
| 500' | 25 | - | 18 | 38 |
| 1000' | 30 | 86 | 21 | 41 |
| 2000' | - | - | - | 43 |
| 2500' | - | - | 24 | 44 |
| 3000' | - | - | - | 52 |
| 5000' | - | - | 26 | 46 |

JACKET COLOR CODES

| COLOR | ABBREVIATION | COLOR CODE |
|------------|--------------|------------|
| Black | BK | 01 |
| White | WH | 02 |
| Red | RD | 03 |
| Orange | OR | 04 |
| Yellow | YL | 05 |
| Green | GN | 06 |
| Blue | BL | 07 |
| Brown | BR | 08 |
| Gray | GY | 10 |
| Pink | PK | 13 |
| Light Blue | LB | 16 |
| Beige | BG | 17 |
| Purple | PU | 19 |
| Natural | NT | 86 |
| Clear | CL | 90 |

Due to variances in monitors and printed materials, the colors above are only a representation of color and do not necessarily reflect the actual jacket color of the cable.