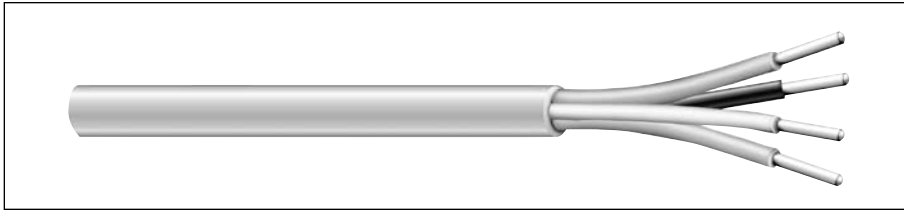


# Multi-Conductor, Unshielded, Riser

## NEC Type CMR and/or CL3R



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |    | NOM. JACKET WALL |    | NOMINAL O.D. |    |
|----------------|--------------|----------|--------------|---------------------------|----|------------------|----|--------------|----|
|                |              |          |              | INCHES                    | mm | INCHES           | mm | INCHES       | mm |

### 22 AWG CONDUCTORS

|        |    |    |       |       |      |       |      |       |      |
|--------|----|----|-------|-------|------|-------|------|-------|------|
| 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 | 0.141 | 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 |

### 20 AWG CONDUCTORS

|        |   |    |      |       |      |       |      |       |      |
|--------|---|----|------|-------|------|-------|------|-------|------|
| E1022S | 2 | 20 | 7/28 | 0.007 | 0.18 | 0.015 | 0.38 | 0.134 | 3.40 |
| E1023S | 3 | 20 | 7/28 | 0.008 | 0.20 | 0.015 | 0.38 | 0.134 | 3.40 |
| E1024S | 4 | 20 | 7/28 | 0.008 | 0.20 | 0.015 | 0.38 | 0.142 | 3.60 |

### 18 AWG CONDUCTORS

|        |    |    |       |       |      |       |      |       |      |
|--------|----|----|-------|-------|------|-------|------|-------|------|
| E1030S | 2  | 18 | Solid | 0.008 | 0.20 | 0.015 | 0.38 | 0.144 | 3.66 |
| E1032S | 2  | 18 | 7/26  | 0.009 | 0.23 | 0.015 | 0.38 | 0.156 | 3.96 |
| E1033S | 3  | 18 | 7/26  | 0.009 | 0.23 | 0.015 | 0.38 | 0.166 | 4.22 |
| E1034S | 4  | 18 | 7/26  | 0.009 | 0.23 | 0.015 | 0.38 | 0.187 | 4.75 |
| E1036S | 6  | 18 | 7/26  | 0.008 | 0.20 | 0.015 | 0.38 | 0.225 | 5.72 |
| 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 |

### 16 AWG CONDUCTORS

|        |   |    |          |       |      |       |      |       |      |
|--------|---|----|----------|-------|------|-------|------|-------|------|
| 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 |

### 14 AWG CONDUCTORS

|         |   |    |          |       |      |       |      |       |      |
|---------|---|----|----------|-------|------|-------|------|-------|------|
| 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 |

### 12 AWG CONDUCTORS

|         |   |    |          |       |      |       |      |       |      |
|---------|---|----|----------|-------|------|-------|------|-------|------|
| 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 only

### Product Construction:

#### Conductor:

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

#### Insulation:

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

#### Jacket:

- Premium-grade, gray PVC
- 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, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- California State Fire Marshall Approved

### 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            | Violet |
| 4            | Green | 10           | Gray   |
| 5            | Brown | 11           | Pink   |
| 6            | Blue  | 12           | Tan    |

**CAROL BRAND**



RoHS Compliant  
Directive 2002/95/EC

**General Cable**