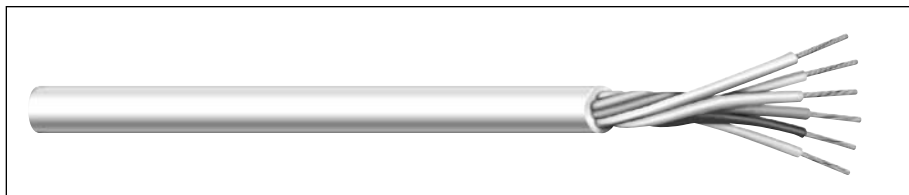


# Multi-Conductor, Unshielded

UL 2464, UL 2587, NEC Type CL3 and CM (UL) c(UL), CSA CMG



## Product Construction:

### Conductor:

- 16 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

### Insulation:

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

### Jacket:

- PVC, gray
- Temperature range: -20°C to +90°C

## Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 725 Type CL3 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2587 (UL: 90°C, 600V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

## Packaging:

- Please contact Customer Service for packaging and color options

| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |    | NOM. JACKET THICKNESS |    | NOMINAL O.D. |    | NOM. C-C CAP.* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|----|-----------------------|----|--------------|----|----------------------|
|                |              |          |              | INCHES                    | mm | INCHES                | mm | INCHES       | mm |                      |

### NEC TYPE CM, UL STYLE 2464 (80°C, 300 VOLTS)

|        |    |    |          |       |      |       |      |       |       |      |
|--------|----|----|----------|-------|------|-------|------|-------|-------|------|
| C2405A | 2  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.260 | 6.81  | 30.5 |
| C2406A | 3  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.283 | 7.19  | 30.5 |
| C2425A | 4  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.306 | 7.77  | 30.5 |
| C2434A | 5  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.334 | 8.48  | 30.5 |
| C2426A | 7  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.363 | 9.25  | 30.5 |
| C2443A | 8  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.393 | 10.03 | 30.5 |
| C2435A | 9  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.423 | 10.80 | 30.5 |
| C2427A | 12 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.476 | 12.17 | 30.5 |
| C2428A | 15 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.530 | 13.46 | 30.5 |
| C2429A | 19 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.559 | 14.33 | 30.5 |
| C2436A | 25 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.657 | 16.69 | 30.5 |

### NEC TYPE CL3, UL STYLE 2587 (90°C, 600 VOLTS)

|         |   |    |           |       |      |       |      |       |       |      |
|---------|---|----|-----------|-------|------|-------|------|-------|-------|------|
| C2409A† | 2 | 14 | 19/.0147  | 0.030 | 0.81 | 0.032 | 0.81 | 0.326 | 8.51  | 29.0 |
| C2430A  | 4 | 14 | 19/.0147  | 0.032 | 0.81 | 0.032 | 0.81 | 0.391 | 9.93  | 28.2 |
| C2437A  | 5 | 14 | 19/.0147  | 0.032 | 0.81 | 0.032 | 0.81 | 0.428 | 10.87 | 28.2 |
| C2431A  | 7 | 14 | 19/.0147  | 0.032 | 0.81 | 0.032 | 0.81 | 0.469 | 11.91 | 28.2 |
| C2410A  | 2 | 12 | 19/0.0185 | 0.032 | 0.81 | 0.032 | 0.81 | 0.366 | 9.40  | 31.0 |
| C2440A  | 4 | 12 | 19/0.0185 | 0.032 | 0.81 | 0.032 | 0.81 | 0.437 | 11.02 | 31.0 |

\*Capacitance between conductors

†CL3, UL2587, CSA CMH Only

## Color Code Chart Per ICEA

| NO. OF COND. | COLOR       | NO. OF COND. | COLOR        | NO. OF COND. | COLOR             |
|--------------|-------------|--------------|--------------|--------------|-------------------|
| 1            | Black       | 10           | Orange/Black | 19           | Blue/Red          |
| 2            | White       | 11           | Blue/Black   | 20           | Red/Green         |
| 3            | Red         | 12           | Black/White  | 21           | Orange/Green      |
| 4            | Green       | 13           | Red/White    | 22           | Black/White/Red   |
| 5            | Orange      | 14           | Green/White  | 23           | White/Black/Red   |
| 6            | Blue        | 15           | Blue/White   | 24           | Red/Black/White   |
| 7            | White/Black | 16           | Black/Red    | 25           | Green/Black/White |
| 8            | Red/Black   | 17           | White/Red    |              |                   |
| 9            | Green/Black | 18           | Orange/Red   |              |                   |

**CAROL BRAND**

**UL** LISTED

**CSA** CMG Certified  
Canadian Standard Association

**UL**

Designed to Meet  
UL Vertical Tray  
Flame Test

Underwriters Laboratories Inc.

RoHS Compliant  
Directive 2002/95/EC

**General Cable**

# Multi-Conductor, Unshielded

NEC Type CMP (UL) c(UL)

## Product Construction:

### Conductor:

- 18 AWG fully annealed stranded tinned copper per ASTM B-33

### Insulation:

- Premium-grade, color-coded FEP
- Color code: See chart below

### Jacket:

- Flexguard® PVC, natural or as requested
- Temperature range: -20°C to +75°C

## Applications:

- Audio systems
- Remote control circuits
- Process control and instrumentation
- Suggested voltage rating: 300 volts

## Compliances:

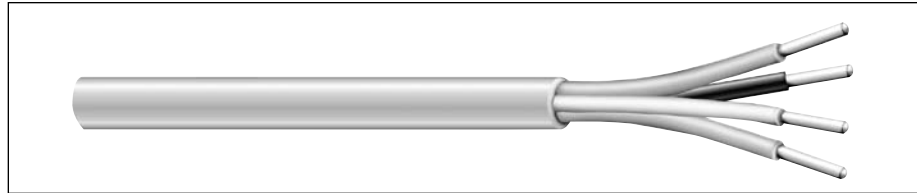
- NEC Article 800 (UL: 75°C, 300V)
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

## Features:

- Fire-retardant, low-smoke jacket

## Packaging:

- Please contact Customer Service for packaging and color options



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | NOM. C-C CAP.* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|----------------------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   |                      |
| <b>C8102</b>   | 4            | 18       | 19/30 TC     | 0.007                     | 0.18 | 0.014                 | 0.36 | 0.178        | 4.52 | 21.5                 |

\*Capacitance between conductors

## Color Code Chart

| NO. OF COND. | COLOR |
|--------------|-------|
| <b>1</b>     | Black |
| <b>2</b>     | White |
| <b>3</b>     | Red   |
| <b>4</b>     | Green |

# Multi-Conductor, Unshielded

NEC Type CMP (UL) c(UL) and/or CL2P



## Product Construction:

### Conductor:

- 22 thru 14 AWG fully annealed stranded tinned or bare copper per ASTM B-3, B-8 or B-33

### Insulation:

- Premium-grade, color-coded Flexguard® PVC
- Color code: See chart below

### Jacket:

- Fluoropolymer, natural
- Temperature range: -20°C to +75°C
- Sequential footage marked to facilitate installation
- Includes ripcord

## Applications:

- Intercom systems
- Background music
- Audio systems
- Power-limited control circuits
- Suggested voltage rating: 150 volts

## Compliances:

- NEC Article 725 (UL: 75°C, 150V)
- NEC Article 800 (UL: 75°C, 300V)
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

## Features:

- Abrasion-, chemical- and water-resistant jacket

## Packaging:

- Please contact Customer Service for packaging and color options

| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |    | NOM. JACKET THICKNESS |    | NOMINAL O.D. |    | NOM. C-C CAP* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|----|-----------------------|----|--------------|----|---------------------|
|                |              |          |              | INCHES                    | mm | INCHES                | mm | INCHES       | mm |                     |

### 22 AWG CONDUCTORS

|        |   |    |         |       |      |       |      |       |      |      |
|--------|---|----|---------|-------|------|-------|------|-------|------|------|
| C3105† | 2 | 22 | 7/30 TC | 0.006 | 0.15 | 0.010 | 0.25 | 0.089 | 2.26 | 29.0 |
| C3106† | 4 | 22 | 7/30 TC | 0.006 | 0.15 | 0.010 | 0.25 | 0.121 | 3.07 | 29.0 |

### 18 AWG CONDUCTORS

|       |    |    |         |       |      |       |      |       |      |      |
|-------|----|----|---------|-------|------|-------|------|-------|------|------|
| C3102 | 2  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.123 | 3.12 | 31.0 |
| C3190 | 3  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.143 | 3.63 | 31.0 |
| C3103 | 4  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.163 | 4.14 | 31.0 |
| C3134 | 5  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.187 | 4.75 | 30.8 |
| C3192 | 6  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.198 | 5.03 | 31.0 |
| C3191 | 8  | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.223 | 5.66 | 31.0 |
| C3178 | 10 | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.244 | 6.19 | 31.0 |
| C3179 | 12 | 18 | 7/26 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.263 | 6.68 | 31.0 |

### 16 AWG CONDUCTORS

|       |   |    |             |       |      |       |      |       |      |      |
|-------|---|----|-------------|-------|------|-------|------|-------|------|------|
| C3193 | 2 | 16 | 19/.0117 BC | 0.008 | 0.20 | 0.010 | 0.25 | 0.141 | 3.58 | 33.0 |
| C3194 | 3 | 16 | 7/.0192 BC  | 0.008 | 0.20 | 0.010 | 0.25 | 0.164 | 4.17 | 33.0 |
| C3195 | 4 | 16 | 7/.0192 BC  | 0.008 | 0.20 | 0.010 | 0.25 | 0.187 | 4.75 | 33.0 |

### 14 AWG CONDUCTORS

|        |   |    |             |       |      |       |      |       |      |      |
|--------|---|----|-------------|-------|------|-------|------|-------|------|------|
| C3126† | 2 | 14 | 19/.0147 BC | 0.010 | 0.25 | 0.010 | 0.25 | 0.168 | 4.27 | 35.0 |
|--------|---|----|-------------|-------|------|-------|------|-------|------|------|

### 12 AWG CONDUCTORS

|        |   |    |             |       |      |       |      |       |      |      |
|--------|---|----|-------------|-------|------|-------|------|-------|------|------|
| C3135† | 2 | 12 | 19/.0185 BC | 0.010 | 0.25 | 0.010 | 0.25 | 0.238 | 6.05 | 37.0 |
|--------|---|----|-------------|-------|------|-------|------|-------|------|------|

\*Capacitance between conductors

†CL2P only

## Color Code Chart

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

**CAROL BRAND**



Designed to Meet  
NFPA 262 and CSA FT-6  
Steiner Tunnel Fire Tests  
for Plenum Applications

Underwriters Laboratories Inc.

**General Cable**