

# Multi-Paired, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG

## Product Construction:

### Conductor:

- 22 AWG fully annealed solid or stranded tinned copper per ASTM B-33
- Twisted pairs

### Insulation:

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

### Jacket:

- PVC, gray
- Temperature range: -20°C to +80°C

## Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- 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 PAIRS | 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    |                      |
| C4008A         | 1            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.156        | 3.94  | 24.5                 |
| C4010A         | 2            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.218        | 5.54  | 24.5                 |
| C4014A         | 3            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.229        | 5.82  | 24.5                 |
| C4015A         | 4            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.249        | 6.32  | 24.5                 |
| C4017A         | 6            | 22       | Solid        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.293        | 7.44  | 24.5                 |
| C6010A         | 2            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.228        | 5.79  | 24.5                 |
| C6014A         | 3            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.240        | 6.10  | 24.5                 |
| C6015A         | 4            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.262        | 6.65  | 24.5                 |
| C6017A         | 6            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.300        | 7.62  | 24.5                 |
| C6019A         | 9            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.366        | 9.30  | 24.5                 |
| C6023A         | 12           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.410        | 10.40 | 24.5                 |
| C6026A         | 15           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.456        | 11.58 | 24.5                 |

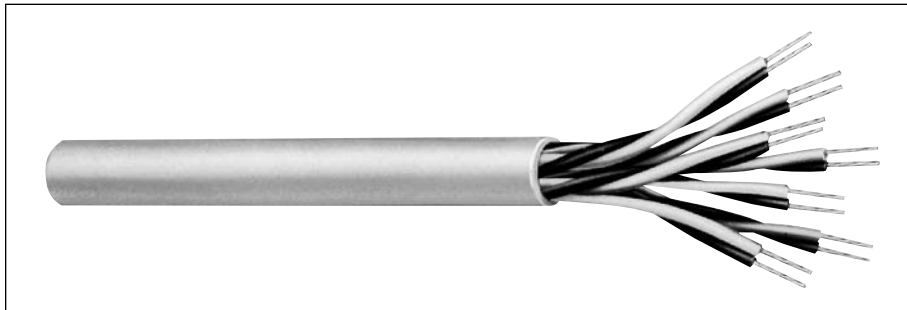
\* Capacitance between conductors

## Color Code Chart

| NO. OF PAIRS | COLOR                    | NO. OF PAIRS | COLOR                   |
|--------------|--------------------------|--------------|-------------------------|
| 1            | Black paired with Red    | 9            | Red paired with Green   |
| 2            | Black paired with White  | 10           | Red paired with Blue    |
| 3            | Black paired with Green  | 11           | Red paired with Yellow  |
| 4            | Black paired with Blue   | 12           | Red paired with Brown   |
| 5            | Black paired with Yellow | 13           | Red paired with Orange  |
| 6            | Black paired with Brown  | 14           | Green paired with White |
| 7            | Black paired with Orange | 15           | Green paired with Blue  |
| 8            | Red paired with White    |              |                         |

# Multi-Paired, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG



## Product Construction:

### Conductor:

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

### Insulation:

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

### Jacket:

- PVC, gray
- Temperature range: -20°C to +80°C

## Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- 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 PAIRS | 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>C6101A</b>  | 1            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.206        | 5.23  | 26.3                 |
| <b>C6118A</b>  | 2            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.320        | 8.13  | 26.3                 |
| <b>C6103A</b>  | 3            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.338        | 8.59  | 26.3                 |
| <b>C6119A</b>  | 4            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.372        | 9.45  | 26.3                 |
| <b>C6120A</b>  | 5            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.408        | 10.36 | 26.3                 |
| <b>C6106A</b>  | 6            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.445        | 11.30 | 26.3                 |
| <b>C6121A</b>  | 8            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.484        | 12.29 | 26.3                 |
| <b>C6109A</b>  | 9            | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.522        | 13.26 | 26.3                 |
| <b>C6111A</b>  | 15           | 18       | 16/30        | 0.013                     | 0.33 | 0.032                 | 0.81 | 0.659        | 16.74 | 26.3                 |

\* Capacitance between conductors

## Color Code Chart

| NO. OF PAIRS | COLOR                    | NO. OF PAIRS | COLOR                   |
|--------------|--------------------------|--------------|-------------------------|
| 1            | Black paired with Red    | 9            | Red paired with Green   |
| 2            | Black paired with White  | 10           | Red paired with Blue    |
| 3            | Black paired with Green  | 11           | Red paired with Yellow  |
| 4            | Black paired with Blue   | 12           | Red paired with Brown   |
| 5            | Black paired with Yellow | 13           | Red paired with Orange  |
| 6            | Black paired with Brown  | 14           | Green paired with White |
| 7            | Black paired with Orange | 15           | Green paired with Blue  |
| 8            | Red paired with White    |              |                         |

**CAROL BRAND**

c(UL) US 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-Paired, 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:

C8116

- FEP, red or as requested
- Temperature range: -40°C to +200°C

C8122

- Flexguard® PVC, natural
- 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
- 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 PAIRS | 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>C8116</b>   | 1            | 18       | 19/30        | 0.007                     | 0.18 | 0.009                 | 0.23 | 0.142        | 3.61 | 20.0                 |
| <b>C8122</b>   | 1            | 18       | 19/30        | 0.007                     | 0.18 | 0.015                 | 0.38 | 0.154        | 3.91 | 20.0                 |

\*Capacitance between conductors

## Color Code Chart

| NO. OF PAIRS | COLOR         |
|--------------|---------------|
| <b>1</b>     | Black and Red |