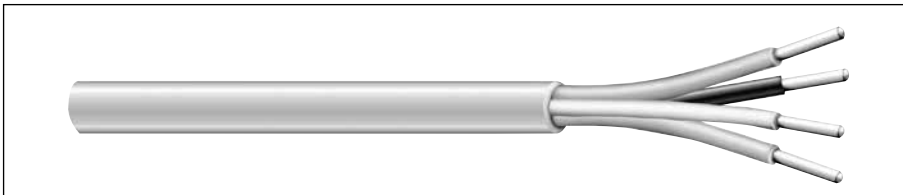


# Multi-Conductor, Unshielded

UL 2464, NEC/CEC Type CMG UL/CSA\*\*



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | COLOR CODE | NOM. C-C CAP.* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|------------|----------------------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   |            |                      |
| <b>C4311A</b>  | 2            | 20       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.166        | 4.22 | Black/Red  | 28.0                 |
| <b>C2754A</b>  | 2            | 19       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.176        | 4.47 | Brown/Tan  | 29.5                 |

\*Capacitance between conductors  
 \*\*CSA or c(UL)  
 Data subject to change.

**Product Construction:**

**Conductor:**

- Fully annealed tinned copper per ASTM B33 (C4311A)
- Fully annealed solid bare copper per ASTM B3 (C2754A)

**Insulation:**

- Premium-grade, color-coded S-R PVC per UL AWM Style 1061

**Jacket:**

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

**Applications:**

- Public address systems
- Intercoms
- Remote control circuits
- Suggested voltage rating: 300 volts

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

**Packaging:**

- Please contact Customer Service for packaging and color options



Designed to Meet  
 UL Vertical Tray  
 Flame Test

Underwriters Laboratories Inc.



# Multi-Conductor, Unshielded

UL 2464, NEC/CEC Type CMG UL/CSA\*\*

**Product Construction:**

**Conductor:**

- 22 thru 18 fully annealed stranded tinned copper per ASTM B33

**Insulation:**

- Premium-grade, color-coded PVC (18 AWG), S-R PVC (22 AWG)
- Color code: See chart below

**Jacket:**

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

**Applications:**

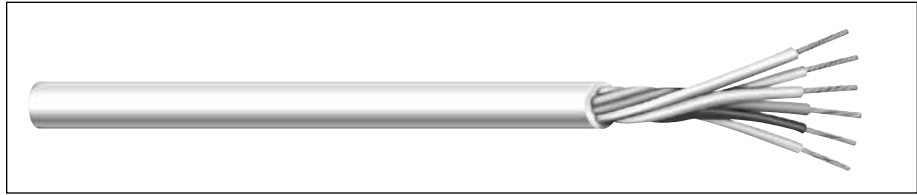
- TV antenna rotor control
- Satellite actuator control
- Public address systems
- Suggested voltage rating: 300 volts

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

**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   |                     |
| C4081A         | 6            | 4-22<br>2-18 | 7/30<br>16/30 | 0.010<br>0.016            | 0.25<br>0.41 | 0.032                 | 0.81 | 0.244        | 6.20 | 24.5<br>31.0        |
| C4082A         | 7            | 5-22<br>2-18 | 7/30<br>16/30 | 0.010<br>0.016            | 0.25<br>0.41 | 0.032                 | 0.81 | 0.253        | 6.43 | 24.5<br>31.0        |
| C4083A         | 8            | 6-22<br>2-18 | 7/30<br>16/30 | 0.010<br>0.016            | 0.25<br>0.41 | 0.032                 | 0.81 | 0.263        | 6.69 | 24.5<br>31.0        |
| C4084A         | 9            | 7-22<br>2-18 | 7/30<br>16/30 | 0.010<br>0.016            | 0.25<br>0.41 | 0.032                 | 0.81 | 0.273        | 6.94 | 24.5<br>31.0        |

\*Capacitance between conductors

\*\*CSA or c(UL)

Data subject to change.

**Color Code Chart**

| NO. OF COND. | COLOR  |
|--------------|--------|
| 1 18 ga.     | Black  |
| 2            | White  |
| 1 22 ga.     | Red    |
| 2            | Green  |
| 3            | Brown  |
| 4            | Blue   |
| 5            | Orange |
| 6            | Yellow |
| 7            | Purple |

# Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA\*\*



**Product Construction:**

**Conductor:**

- 24 AWG fully annealed stranded tinned copper per ASTM B33

**Insulation:**

- Premium-grade, color-coded S-R PVC per UL AWM Style 1061
- Color code: See charts below

**Jacket:**

- PVC, gray
- Temperature range: -20°C to +80°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 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

**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. |      | COLOR CODE      | NOM. C-C CAP* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|-----------------|---------------------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   |                 |                     |
| C2461A         | 2            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.152        | 3.86 | Black/Red       | 23.0                |
| C2462A         | 3            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.163        | 4.14 | Black/Red/Green | 23.0                |
| C2463A         | 4            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.174        | 4.42 | 1               | 23.0                |
| C2464A         | 5            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.183        | 4.75 | 1               | 23.0                |
| C2466A         | 6            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.200        | 5.08 | 1               | 23.0                |
| C2488A         | 7            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.200        | 5.08 | 1               | 23.0                |
| C2465A         | 8            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.214        | 5.44 | 1               | 23.0                |
| C2470A         | 9            | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.227        | 5.77 | 1               | 23.0                |
| C2471A         | 10           | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.244        | 6.20 | 1               | 23.0                |
| C2467A         | 12           | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.251        | 6.38 | 1               | 23.0                |
| C2473A         | 15           | 24       | 7/32         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.275        | 6.99 | 2               | 23.0                |

\*Capacitance between conductors

\*\*CSA or c(UL)

Data subject to change.

**Color Code Chart 1 - For cables up to and including 12 conductors**

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

**Color Code Chart 2 Per ICEA - For cables with 15 conductors**

| NO. OF COND. | COLOR  | NO. OF COND. | COLOR        | NO. OF COND. | COLOR       |
|--------------|--------|--------------|--------------|--------------|-------------|
| 1            | Black  | 6            | Blue         | 11           | Blue/Black  |
| 2            | White  | 7            | White/Black  | 12           | Black/White |
| 3            | Red    | 8            | Red/Black    | 13           | Red/White   |
| 4            | Green  | 9            | Green/Black  | 14           | Green/White |
| 5            | Orange | 10           | Orange/Black | 15           | Blue/White  |



# Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA\*\*

## Product Construction:

### Conductor:

- 22 AWG fully annealed, stranded tinned copper per ASTM B33

### Insulation:

- Premium-grade, color-coded S-R PVC per UL AWM Style 1061
- Color code: See charts below

### Jacket:

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

## Applications:

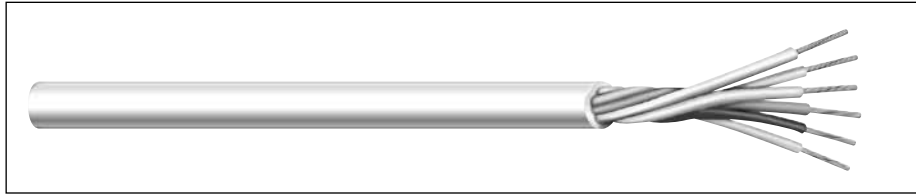
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

## 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. |       | COLOR CODE      | NOM. C-C CAP.* pF/ft |
|----------------------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|-----------------|----------------------|
|                            |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    |                 |                      |
| <b>C6348A</b> <sup>†</sup> | 2            | 22       | 7/30         | 0.010                     | 0.25 | 0.015                 | 0.38 | 0.130        | 3.30  | Black/Red       | 24.5                 |
| <b>C4062A</b>              | 3            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.176        | 4.47  | Black/Red/Green | 24.5                 |
| <b>C4063A</b>              | 4            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.189        | 4.80  | 1               | 24.5                 |
| <b>C4064A</b>              | 5            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.203        | 5.16  | 1               | 24.5                 |
| <b>C4066A</b>              | 6            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.218        | 5.54  | 1               | 24.5                 |
| <b>C4088A</b>              | 7            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.205        | 5.54  | 1               | 24.5                 |
| <b>C4065A</b>              | 8            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.230        | 5.94  | 1               | 24.5                 |
| <b>C4070A</b>              | 9            | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.249        | 6.32  | 1               | 24.5                 |
| <b>C4071A</b>              | 10           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.268        | 6.81  | 1               | 24.5                 |
| <b>C4067A</b>              | 12           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.276        | 7.01  | 1               | 24.5                 |
| <b>C4073A</b>              | 15           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.303        | 7.70  | 2               | 24.5                 |
| <b>C4075A</b>              | 20           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.334        | 8.48  | 2               | 24.5                 |
| <b>C4076A</b>              | 25           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.368        | 9.35  | 2               | 24.5                 |
| <b>C4077A</b>              | 30           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.389        | 9.88  | 2               | 24.5                 |
| <b>C4078A</b>              | 40           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.434        | 11.02 | 2               | 24.5                 |
| <b>C4079A</b>              | 50           | 22       | 7/30         | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.489        | 12.42 | 2               | 24.5                 |

\*Capacitance between conductors

\*\*CSA or c(UL)

†CM-CSA CMG Only

Data subject to change.

### Color Code Chart 1 - For cables up to and including 12 conductors

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

### Color Code Chart 2 Per ICEA - For cables of 15 thru 50 conductors

| NO. OF COND. | COLOR        | NO. OF COND. | COLOR              | NO. OF COND. | COLOR              | NO. OF COND. | COLOR             |
|--------------|--------------|--------------|--------------------|--------------|--------------------|--------------|-------------------|
| 1            | Black        | 14           | Green/White        | 27           | Blue/Black/White   | 39           | White/Black/Green |
| 2            | White        | 15           | Blue/White         | 28           | Black/Red/Green    | 40           | Red/White/Green   |
| 3            | Red          | 16           | Black/Red          | 29           | White/Red/Green    | 41           | Green/White/Blue  |
| 4            | Green        | 17           | White/Red          | 30           | Red/Black/Green    | 42           | Orange/Red/Green  |
| 5            | Orange       | 18           | Orange/Red         | 31           | Green/Black/Orange | 43           | Blue/Red/Green    |
| 6            | Blue         | 19           | Blue/Red           | 32           | Orange/Black/Green | 44           | Black/White/Blue  |
| 7            | White/Black  | 20           | Red/Green          | 33           | Blue/White/Orange  | 45           | White/Black/Blue  |
| 8            | Red/Black    | 21           | Orange/Green       | 34           | Black/White/Orange | 46           | Red/White/Blue    |
| 9            | Green/Black  | 22           | Black/White/Red    | 35           | White/Red/Orange   | 47           | Green/Orange/Red  |
| 10           | Orange/Black | 23           | White/Black/Red    | 36           | Orange/White/Blue  | 48           | Orange/Red/Blue   |
| 11           | Blue/Black   | 24           | Red/Black/White    | 37           | White/Red/Blue     | 49           | Blue/Red/Orange   |
| 12           | Black/White  | 25           | Green/Black/White  | 38           | Black/White/Green  | 50           | Black/Orange/Red  |
| 13           | Red/White    | 26           | Orange/Black/White |              |                    |              |                   |



Underwriters Laboratories Inc.



CMG Certified Canadian Standard Association



# Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA\*\*



### Product Construction:

#### Conductor:

- 20 or 18 AWG fully annealed stranded, tinned copper per ASTM B33

#### Insulation:

- Premium-grade, color-coded PVC per UL AWM Style 1007
- Color code: See charts below

#### Jacket:

- PVC, gray
- Temperature range: -20°C to +80°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 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

### 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. |       | COLOR CODE | NOM. C-C CAP* pF/ft |
|---------------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|------------|---------------------|
|                     |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    |            |                     |
| C6351A <sup>†</sup> | 2            | 20       | 7/28         | 0.016                     | 0.41 | 0.025                 | 0.64 | 0.192        | 4.88  | Black/Red  | 28.0                |
| C6352A              | 3            | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.216        | 5.50  | 1          | 28.0                |
| C6353A              | 4            | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.235        | 5.97  | 1          | 28.0                |
| C6355A              | 5            | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.254        | 6.46  | 1          | 28.0                |
| C6356A              | 7            | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.275        | 6.99  | 1          | 28.0                |
| C6357A              | 9            | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.317        | 8.05  | 1          | 28.0                |
| C6360A              | 12           | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.354        | 9.00  | 2          | 28.0                |
| C6358A              | 15           | 20       | 7/28         | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.392        | 9.96  | 2          | 28.0                |
| C2830A <sup>†</sup> | 2            | 18       | 16/30        | 0.016                     | 0.41 | 0.015                 | 0.64 | 0.190        | 5.33  | Black/Red  | 30.5                |
| C2831A              | 3            | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.236        | 5.99  | 1          | 30.5                |
| C2404A              | 4            | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.258        | 6.55  | 1          | 30.5                |
| C2420A              | 5            | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.280        | 7.11  | 1          | 30.5                |
| C2421A              | 7            | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.309        | 7.85  | 1          | 30.5                |
| C2422A              | 9            | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.358        | 9.09  | 1          | 30.5                |
| C2412A              | 12           | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.401        | 10.19 | 2          | 30.5                |
| C2423A              | 15           | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.445        | 11.30 | 2          | 30.5                |
| C2424A              | 19           | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.469        | 11.91 | 2          | 30.5                |
| C2433A              | 25           | 18       | 16/30        | 0.016                     | 0.41 | 0.032                 | 0.81 | 0.550        | 13.94 | 2          | 30.5                |

\*Capacitance between conductors

\*\*CSA or c(UL)

†CM (UL) c(UL), CSA CMG Only

Data subject to change.

### Color Code Chart 1 - For cables up to and including 9 conductors

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

### Color Code Chart 2 Per ICEA - For cables of 12 thru 25 conductors

| 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   |              |                   |



Designed to Meet  
UL Vertical Tray  
Flame Test

Underwriters Laboratories Inc.



# Multi-Conductor, Unshielded

UL 2464, UL 2587, NEC Type CL3, NEC/CEC Type CMG UL/CSA\*\*

## Product Construction:

### Conductor:

- 16 thru 12 AWG fully annealed stranded tinned copper per ASTM B33

### Insulation:

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

### Jacket:

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

## Applications:

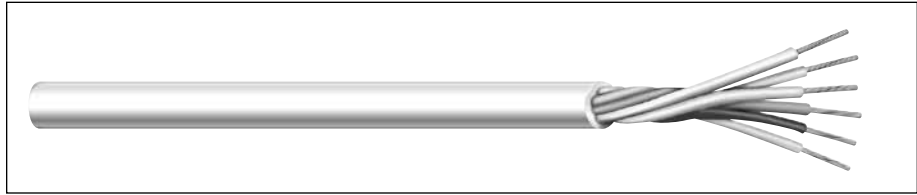
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 725 Type CL3 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2587 (UL: 90°C, 600 V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

## 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  | 0.032 | 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

\*\*CSA or c(UL)

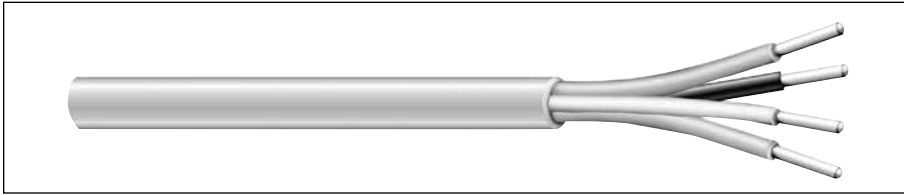
Data subject to change.

## 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   |              |                   |

# Multi-Conductor, Unshielded

NEC Type CMP (UL) c(UL)



| 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        | 0.007                     | 0.18 | 0.014                 | 0.36 | 0.178        | 4.52 | 21.5                |

\*Capacitance between conductors  
Data subject to change.

### Color Code Chart

| NO. OF COND. | COLOR |
|--------------|-------|
| 1            | Black |
| 2            | White |
| 3            | Red   |
| 4            | Green |

### Product Construction:

#### Conductor:

- 18 AWG fully annealed stranded tinned copper per ASTM B33

#### Insulation:

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

#### Jacket:

- 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 (UL: 75°C, 300 V)
- Designed to meet NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications
- CE: Low Voltage Directive (LVD) 2006/95/EC

### Packaging:

- Please contact Customer Service for packaging and color options



Designed to Meet  
NFPA 262 and CSA FT6  
Steiner Tunnel Fire Tests  
for Plenum Applications

Underwriters Laboratories Inc.





# 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 B3, B8 or B33

**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
- Abrasion-, chemical- and water-resistant
- Includes ripcord

**Applications:**

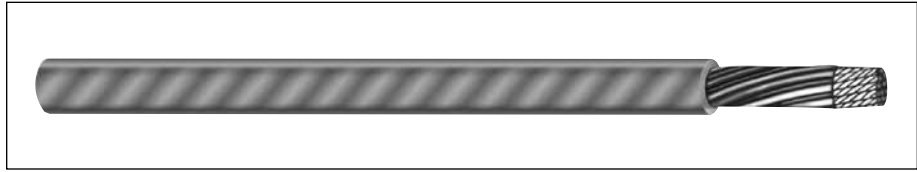
- Intercom systems
- Background music
- Audio systems
- Power-limited control circuits
- Suggested voltage rating: 150 volts

**Compliances:**

- NEC Article 725 (UL: 75°C, 150 V)
- NEC Article 800 (UL: 75°C, 300 V)
- Designed to meet NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications
- CE: Low Voltage Directive (LVD) 2006/95/EC

**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   |                      |
| 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                 |
| 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                 |
| 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                 |
| C3126†         | 2            | 14       | 19/.0147 BC  | 0.010                     | 0.25 | 0.010                 | 0.25 | 0.168        | 4.27 | 35.0                 |
| 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  
 Data subject to change.

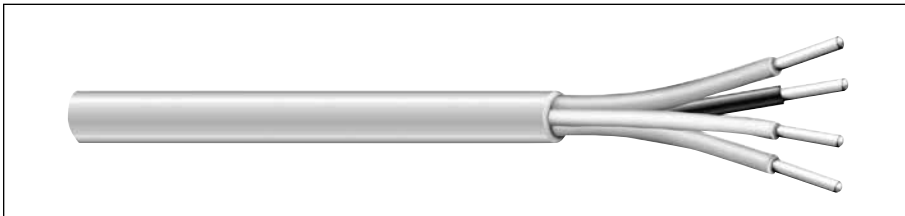
**Color Code Chart**

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



# Multi-Conductor, Unshielded

NEC Type CMP (UL) c(UL) and/or CL3P



**Product Construction:**

**Conductor:**

- 22 thru 12 AWG fully annealed solid, stranded tinned or bare copper per ASTM B3, B8 or B33

**Insulation:**

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

**Jacket:**

- Flexguard® PVC, natural
- Temperature range: 0°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, 150 V)
- NEC Article 800 (UL: 75°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications
- CE: Low Voltage Directive (LVD) 2006/95/EC

**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**

|              |   |    |         |       |      |       |      |       |      |      |
|--------------|---|----|---------|-------|------|-------|------|-------|------|------|
| <b>C3115</b> | 2 | 22 | 7/32 TC | 0.008 | 0.20 | 0.015 | 0.38 | 0.122 | 3.10 | 30.0 |
| <b>C3116</b> | 4 | 22 | 7/32 TC | 0.008 | 0.20 | 0.015 | 0.38 | 0.141 | 3.58 | 30.0 |

**18 AWG CONDUCTORS**

|              |    |    |          |       |      |       |      |       |      |      |
|--------------|----|----|----------|-------|------|-------|------|-------|------|------|
| <b>C3110</b> | 2  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.142 | 3.61 | 37.0 |
| <b>C3114</b> | 3  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.151 | 3.84 | 37.0 |
| <b>C3111</b> | 4  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.166 | 4.22 | 37.0 |
| <b>C3117</b> | 5  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.182 | 4.62 | 37.0 |
| <b>C3118</b> | 6  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.199 | 5.05 | 37.0 |
| <b>C3119</b> | 8  | 18 | Solid BC | 0.008 | 0.20 | 0.015 | 0.38 | 0.216 | 5.49 | 37.0 |
| <b>C3112</b> | 2  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.156 | 3.96 | 35.0 |
| <b>C3120</b> | 3  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.166 | 4.22 | 35.0 |
| <b>C3113</b> | 4  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.182 | 4.62 | 35.0 |
| <b>C3125</b> | 5  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.200 | 5.08 | 54.6 |
| <b>C3121</b> | 6  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.216 | 5.49 | 35.0 |
| <b>C3122</b> | 8  | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.239 | 6.07 | 35.0 |
| <b>C3123</b> | 10 | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.278 | 7.06 | 35.0 |
| <b>C3124</b> | 12 | 18 | 7/26 BC  | 0.008 | 0.20 | 0.015 | 0.38 | 0.287 | 7.29 | 35.0 |

**16 AWG CONDUCTORS**

|              |   |    |             |      |      |       |      |       |      |      |
|--------------|---|----|-------------|------|------|-------|------|-------|------|------|
| <b>C3127</b> | 2 | 16 | 19/.0117 BC | .009 | .227 | 0.015 | 0.38 | 0.178 | 4.52 | 40.0 |
|--------------|---|----|-------------|------|------|-------|------|-------|------|------|

**14 AWG CONDUCTORS**

|               |   |    |             |       |      |       |      |       |      |      |
|---------------|---|----|-------------|-------|------|-------|------|-------|------|------|
| <b>C3128*</b> | 2 | 14 | 19/.0147 BC | 0.010 | 0.20 | 0.015 | 0.38 | 0.212 | 5.38 | 40.0 |
|---------------|---|----|-------------|-------|------|-------|------|-------|------|------|

**12 AWG CONDUCTORS**

|               |   |    |             |       |      |       |      |       |      |      |
|---------------|---|----|-------------|-------|------|-------|------|-------|------|------|
| <b>C3129*</b> | 2 | 12 | 19/.0185 BC | 0.010 | 0.20 | 0.015 | 0.38 | 0.254 | 6.45 | 43.0 |
|---------------|---|----|-------------|-------|------|-------|------|-------|------|------|

\*Capacitance between conductors

†CL3P only

Data subject to change.

**Color Code Chart**

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



Designed to Meet  
NFPA 262 and CSA FT6  
Steiner Tunnel Fire Tests  
for Plenum Applications  
Underwriters Laboratories Inc.



# Multi-Conductor, Unshielded

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)

## Product Construction:

### Conductor:

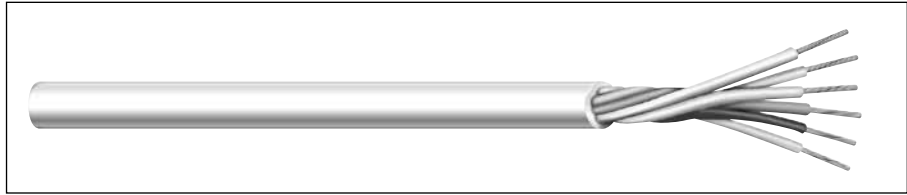
- 20 or 18 AWG fully annealed, stranded tinned copper per ASTM B33

### Insulation:

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

### Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C



## Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

## Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT4 vertical flame test
- CE: Low Voltage Directive (LVD) 2006/95/EC

## 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. |       | COLOR CODE | NOM. C-C CAP.* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|------------|----------------------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    |            |                      |
| C4117A         | 2            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.184        | 4.67  | Black/Red  | 31.0                 |
| C4118A         | 3            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.193        | 4.90  | 1          | 31.0                 |
| C4119A         | 4            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.209        | 5.31  | 1          | 31.0                 |
| C4120A         | 5            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.226        | 5.74  | 1          | 31.0                 |
| C4121A         | 7            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.244        | 6.20  | 1          | 31.0                 |
| C4122A         | 9            | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.281        | 7.14  | 1          | 31.0                 |
| C4123A         | 12           | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.313        | 7.95  | 2          | 31.0                 |
| C4124A         | 15           | 20       | 7/28         | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.329        | 8.36  | 2          | 31.0                 |
| C4125A         | 2            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.202        | 5.13  | Black/Red  | 34.0                 |
| C4214A         | 2            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.202        | 5.13  | 1          | 34.0                 |
| C4126A         | 3            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.213        | 5.41  | 1          | 34.0                 |
| C4127A         | 4            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.231        | 5.87  | 1          | 34.0                 |
| C4128A         | 5            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.250        | 6.35  | 1          | 34.0                 |
| C4206A         | 6            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.266        | 6.76  | 1          | 34.0                 |
| C4129A         | 7            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.271        | 6.88  | 1          | 34.0                 |
| C4130A         | 9            | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.314        | 7.98  | 1          | 34.0                 |
| C4131A         | 12           | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.351        | 8.92  | 2          | 34.0                 |
| C4132A         | 15           | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.388        | 9.86  | 2          | 34.0                 |
| C4133A         | 19           | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.409        | 10.39 | 2          | 34.0                 |
| C4134A         | 25           | 18       | 16/30        | 0.012                     | 0.30 | 0.032                 | 0.81 | 0.478        | 12.14 | 2          | 34.0                 |

\*Capacitance between conductors  
Data subject to change.

### Color Code Chart 1 - For cables up to and including 9 conductors

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

### Color Code Chart 2 Per ICEA - For cables of 12 thru 25 conductors

| 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   |              |                   |

# Multi-Conductor, Unshielded

AWM Styles 2464, 2587, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US), or NEC Type CL2



### Product Construction:

#### Conductor:

- 16 thru 12 AWG fully annealed, stranded tinned copper per ASTM B33

#### Insulation:

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

#### Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

### Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

### Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- AWM Style 2587 (CSA: 90°C, 600 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT4 Vertical Flame Test
- UL Certified CL2 to Standard UL 13
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

### 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 |                      |

#### AWM STYLE 2464, CSA TYPE AWM, CSA C/US TYPE CMG

|        |    |    |          |       |      |       |      |       |       |      |
|--------|----|----|----------|-------|------|-------|------|-------|-------|------|
| C4135A | 2  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.268 | 6.81  | 27.0 |
| C4136A | 3  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.283 | 7.19  | 27.0 |
| C4137A | 4  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.306 | 7.77  | 27.0 |
| C4138A | 5  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.334 | 8.48  | 27.0 |
| C4139A | 7  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.364 | 9.25  | 27.0 |
| C4140A | 8  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.395 | 10.03 | 27.0 |
| C4141A | 9  | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.425 | 10.80 | 27.0 |
| C4142A | 12 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.479 | 12.17 | 27.0 |
| C4143A | 15 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.530 | 13.46 | 27.0 |
| C4144A | 19 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.564 | 14.33 | 27.0 |
| C4145A | 25 | 16 | 19/.0117 | 0.021 | 0.53 | 0.032 | 0.81 | 0.657 | 16.69 | 27.0 |

#### AWM STYLE 2587, CSA TYPE AWM (FT4), NEC TYPE CL2\*\*

|        |   |    |          |       |      |       |      |       |       |      |
|--------|---|----|----------|-------|------|-------|------|-------|-------|------|
| C4146A | 2 | 14 | 19/.0147 | 0.032 | 0.81 | 0.032 | 0.81 | 0.334 | 8.48  | 25.0 |
| C4147A | 4 | 14 | 19/.0147 | 0.032 | 0.81 | 0.032 | 0.81 | 0.391 | 9.93  | 25.0 |
| C4148A | 5 | 14 | 19/.0147 | 0.032 | 0.81 | 0.032 | 0.81 | 0.428 | 10.87 | 25.0 |
| C4149A | 7 | 14 | 19/.0147 | 0.032 | 0.81 | 0.032 | 0.81 | 0.469 | 11.91 | 25.0 |
| C4150A | 2 | 12 | 19/.0185 | 0.032 | 0.81 | 0.032 | 0.81 | 0.370 | 9.40  | 29.4 |
| C4151A | 4 | 12 | 19/.0185 | 0.032 | 0.81 | 0.032 | 0.81 | 0.434 | 11.02 | 29.4 |

\* Capacitance between conductors  
Data subject to change.

### 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   |              |                   |



# Multi-Conductor, Unshielded

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)

## Product Construction:

### Conductor:

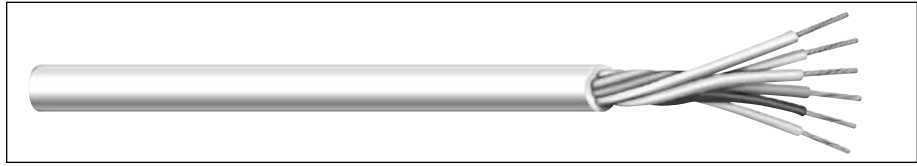
- 22 AWG fully annealed, stranded tinned copper per ASTM B33

### Insulation:

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

### Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C



## Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

## Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT4 vertical flame test
- CE: Low Voltage Directive (LVD) 2006/95/EC

## 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. |       | COLOR CODE      | NOM. C-C CAP:* pF/ft |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|-----------------|----------------------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    |                 |                      |
| C4100A         | 2            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.165        | 4.19  | Black/Red       | 27.5                 |
| C4101A         | 3            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.176        | 4.47  | Black/Red/Green | 27.5                 |
| C4102A         | 4            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.189        | 4.80  | 1               | 27.5                 |
| C4103A         | 5            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.203        | 5.16  | 1               | 27.5                 |
| C4104A         | 6            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.208        | 5.28  | 1               | 27.5                 |
| C4105A         | 7            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.218        | 5.54  | 1               | 27.5                 |
| C4106A         | 8            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.234        | 5.94  | 1               | 27.5                 |
| C4107A         | 9            | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.249        | 6.32  | 1               | 27.5                 |
| C4108A         | 10           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.268        | 6.81  | 1               | 27.5                 |
| C4109A         | 12           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.276        | 7.01  | 1               | 27.5                 |
| C4110A         | 15           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.303        | 7.70  | 2               | 27.5                 |
| C4111A         | 18           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.318        | 8.08  | 2               | 27.5                 |
| C4112A         | 20           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.334        | 8.48  | 2               | 27.5                 |
| C4113A         | 25           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.368        | 9.35  | 2               | 27.5                 |
| C4114A         | 30           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.389        | 9.88  | 2               | 27.5                 |
| C4115A         | 40           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.434        | 11.02 | 2               | 27.5                 |
| C4116A         | 50           | 22       | 7/30         | 0.011                     | 0.28 | 0.032                 | 0.81 | 0.489        | 12.42 | 2               | 27.5                 |

\*Capacitance between conductors  
Data subject to change.

## Color Code Chart 1- For cables up to and including 12 conductors

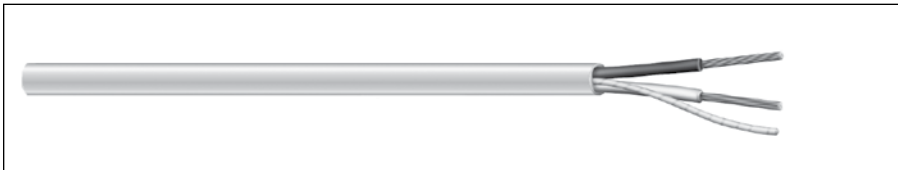
| NO. OF COND. | COLOR | NO. OF COND. | COLOR  |
|--------------|-------|--------------|--------|
| 1            | Black | 7            | Orange |
| 2            | White | 8            | Yellow |
| 3            | Red   | 9            | Purple |
| 4            | Green | 10           | Gray   |
| 5   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

## Color Code Chart 2 Per ICEA - For cables of 15 thru 50 conductors

| NO. OF COND. | COLOR        | NO. OF COND. | COLOR              | NO. OF COND. | COLOR             |
|--------------|--------------|--------------|--------------------|--------------|-------------------|
| 1            | Black        | 18           | Orange/Red         | 35           | White/Red/Orange  |
| 2            | White        | 19           | Blue/Red           | 36           | Orange/White/Blue |
| 3            | Red          | 20           | Red/Green          | 37           | White/Red/Blue    |
| 4            | Green        | 21           | Orange/Green       | 38           | Black/White/Green |
| 5            | Orange       | 22           | Black/White/Red    | 39           | White/Black/Green |
| 6            | Blue         | 23           | White/Black/Red    | 40           | Red/White/Green   |
| 7            | White/Black  | 24           | Red/Black/White    | 41           | Green/White/Blue  |
| 8            | Red/Black    | 25           | Green/Black/White  | 42           | Orange/Red/Green  |
| 9            | Green/Black  | 26           | Orange/Black/White | 43           | Blue/Red/Green    |
| 10           | Orange/Black | 27           | Blue/Black/White   | 44           | Black/White/Blue  |
| 11           | Blue/Black   | 28           | Black/Red/Green    | 45           | White/Black/Blue  |
| 12           | Black/White  | 29           | White/Red/Green    | 46           | Red/White/Blue    |
| 13           | Red/White    | 30           | Red/Black/Green    | 47           | Green/Orange/Red  |
| 14           | Green/White  | 31           | Green/Black/Orange | 48           | Orange/Red/Blue   |
| 15           | Blue/White   | 32           | Orange/Black/Green | 49           | Blue/Red/Orange   |
| 16           | Black/Red    | 33           | Blue/White/Orange  | 50           | Black/Orange/Red  |
| 17           | White/Red    | 34           | Black/White/Orange |              |                   |

# Multi-Conductor, Unshielded

CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)



**Product Construction:**

**Conductor:**

- 22 thru 14 AWG fully annealed stranded tinned copper per ASTM B33

**Insulation:**

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

**Jacket:**

- PVC, gray
- Temperature range: -20°C to +105°C
- Includes ripcord

**Applications:**

- Public address systems
- Intercoms
- Internal telephones
- Suggested voltage rating: 300 or 600 volts

**Compliances:**

- CSA Type AWM (105°C, 600 V)
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT4 Vertical Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

**Packaging:**

- Please contact Customer Service for packaging and color options

| CATALOG NUMBER                         | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INS. THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | COLOR CODE | NOM C-C. CAP. pF/ft |
|--|--------------|----------|--------------|---------------------|------|-----------------------|------|--------------|------|------------|---------------------|
|  |              |          |              | INCHES              | mm   | INCHES                | mm   | INCHES       | mm   |            |                     |
| <b>CSA TYPE AWM, CSA C/US TYPE CMG</b> |              |          |              |                     |      |                       |      |              |      |            |                     |
| C6700A                                 | 2            | 22       | 7/30         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.134        | 3.40 | 2          | 23.5                |
| C6701A                                 | 3            | 22       | 7/30         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.142        | 3.61 | 2          | 23.5                |
| C6702A                                 | 4            | 22       | 7/30         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.155        | 3.94 | 2          | 23.5                |
| C6704A                                 | 6            | 22       | 7/30         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.185        | 4.70 | 2          | 23.5                |
| C6717A                                 | 2            | 20       | 7/28         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.148        | 3.76 | 2          | 25.7                |
| C6718A                                 | 4            | 20       | 7/28         | 0.011               | 0.28 | 0.016                 | 0.41 | 0.157        | 3.99 | 2          | 25.7                |
| C6725A                                 | 2            | 18       | 16/30        | 0.012               | 0.30 | 0.016                 | 0.41 | 0.172        | 4.37 | 1          | 27.3                |
| C6714A                                 | 2            | 18       | 16/30        | 0.012               | 0.30 | 0.016                 | 0.41 | 0.172        | 4.37 | 2          | 27.3                |
| C6726A                                 | 3            | 18       | 16/30        | 0.012               | 0.30 | 0.016                 | 0.41 | 0.183        | 4.65 | 2          | 27.3                |
| C6727A                                 | 4            | 18       | 16/30        | 0.012               | 0.30 | 0.016                 | 0.41 | 0.201        | 5.11 | 2          | 27.3                |
| C6706A                                 | 6            | 18       | 16/30        | 0.012               | 0.30 | 0.016                 | 0.41 | 0.242        | 6.15 | 2          | 27.3                |
| C6735A                                 | 2            | 16       | 19/.0117     | 0.012               | 0.30 | 0.016                 | 0.41 | 0.192        | 4.88 | 2          | 29.4                |
| C6736A                                 | 3            | 16       | 19/.0117     | 0.012               | 0.30 | 0.016                 | 0.41 | 0.204        | 5.18 | 2          | 29.4                |
| C6737A                                 | 4            | 16       | 19/.0117     | 0.012               | 0.30 | 0.016                 | 0.41 | 0.226        | 5.74 | 2          | 29.4                |
| <b>CSA TYPE AWM (FT4)</b>              |              |          |              |                     |      |                       |      |              |      |            |                     |
| C6746A                                 | 2            | 14       | 19/.0147     | 0.015               | 0.38 | 0.016                 | 0.41 | 0.234        | 5.94 | 2          | 30.8                |
| C6747A                                 | 4            | 14       | 19/.0147     | 0.015               | 0.38 | 0.016                 | 0.41 | 0.276        | 7.01 | 2          | 30.8                |

\*A – Capacitance between conductors

\*B – Capacitance between one conductor and other conductors connected to shield

Data subject to change.

**Color Code Chart 1**

| NO. OF COND. | COLOR |
|--------------|-------|
| 1            | Black |
| 2            | Red   |

**Color Code Chart 2**

| NO. OF COND. | COLOR  |
|--------------|--------|
| 1            | Black  |
| 2            | White  |
| 3            | Red    |
| 4            | Green  |
| 5            | Brown  |
| 6            | Blue   |
| 7            | Orange |
| 8            | Yellow |