

# Multi-Paired, Foil Shield

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

### Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire

### Jacket:

- PVC, gray
- Temperature range: -20°C to +75°C

## Applications:

- Audio systems
- Communication circuits
- Instrumentation and control use
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 800 Type CM (UL: 75°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. |       | NOMINAL CAP.* |      |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|---------------|------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    | A             | B    |
| <b>C7104A†</b> | 1            | 22       | 7/0096       | 0.013                     | 0.33 | 0.035                 | 0.89 | 0.185        | 4.70  | 35.0          | 62.0 |
| <b>C1670A</b>  | 2            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.218        | 5.54  | 32.0          | 57.0 |
| <b>C1676A</b>  | 4            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.249        | 6.32  | 28.0          | 50.0 |
| <b>C1671A</b>  | 6            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.292        | 7.42  | 25.0          | 45.0 |
| <b>C1672A</b>  | 9            | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.338        | 8.59  | 25.0          | 45.0 |
| <b>C1673A</b>  | 15           | 22       | Solid        | 0.010                     | 0.25 | 0.032                 | 0.81 | 0.419        | 10.64 | 25.0          | 45.0 |

\*A – Capacitance between conductors

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

† Also UL Style 2464 (UL: 80°C, 300V)

## 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    |              |                         |