

# Multi-Paired, Foil Shield

UL 2464, NEC/CEC Type CMR, CMG UL/CSA



### Product Construction:

#### Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

#### Insulation:

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

#### Shield:

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

#### 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 CMR (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
- Assists system designers in meeting FCC Docket 20780 demands

### Packaging:

- Please contact Customer Service for packaging and color options

Data subject to change.

| CATALOG NUMBER | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOMINAL INSULATION THICKNESS |      | NOMINAL JACKET THICKNESS |      | NOMINAL O.D. |       | NOMINAL DCR Ω/kft |       | NOMINAL CAP.* pF/ft |      |
|----------------|--------------|----------|--------------|------------------------------|------|--------------------------|------|--------------|-------|-------------------|-------|---------------------|------|
|                |              |          |              | INCHES                       | mm   | INCHES                   | mm   | INCHES       | mm    | COND.             | SHLD. | A                   | B    |
| C0600A         | 1            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.157        | 3.99  | 25.7              | 7.2   | 19.7                | 21.5 |
| C0601A         | 2            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.214        | 5.44  | 25.7              | 7.2   | 28.7                | 21.5 |
| C0602A         | 3            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.225        | 5.72  | 25.7              | 7.2   | 25.7                | 21.5 |
| C0603A         | 4            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.245        | 6.23  | 25.7              | 7.2   | 25.7                | 20.2 |
| C0604A         | 5            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.265        | 6.73  | 25.7              | 7.2   | 25.7                | 20.2 |
| C0605A         | 6            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.287        | 7.29  | 25.7              | 7.2   | 23.7                | 42.7 |
| C0606A         | 7            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.287        | 7.29  | 25.7              | 7.2   | 23.7                | 42.7 |
| C0607A         | 8            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.309        | 7.85  | 25.7              | 7.2   | 23.7                | 42.7 |
| C0608A         | 9            | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.331        | 8.41  | 25.7              | 7.2   | 23.7                | 42.7 |
| C0609A         | 10           | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.359        | 9.12  | 25.7              | 7.2   | 23.7                | 42.7 |
| C0610A         | 15           | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.410        | 10.41 | 25.7              | 7.2   | 23.7                | 42.7 |
| C0611A         | 19           | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.432        | 10.97 | 25.7              | 7.2   | 23.7                | 42.7 |
| C0612A         | 25           | 24       | 7/32         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.505        | 12.84 | 25.7              | 7.2   | 23.7                | 42.7 |
| C0720A         | 1            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.169        | 4.29  | 16.6              | 6.2   | 40.4                | 72.6 |
| C0721A         | 2            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.234        | 5.94  | 16.6              | 6.2   | 32.3                | 58.1 |
| C0722A         | 3            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.246        | 6.25  | 16.6              | 6.2   | 27.8                | 50.1 |
| C0723A         | 4            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.269        | 6.83  | 16.6              | 6.2   | 27.8                | 50.1 |
| C0724A         | 5            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.292        | 7.42  | 16.6              | 6.2   | 27.8                | 50.1 |
| C0725A         | 6            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.317        | 8.05  | 16.6              | 6.2   | 25.5                | 45.9 |
| C0726A         | 9            | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.367        | 9.32  | 16.6              | 6.2   | 25.5                | 45.9 |
| C0728A         | 15           | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.457        | 11.62 | 16.6              | 6.2   | 25.5                | 45.9 |
| C0729A         | 19           | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.482        | 12.24 | 16.6              | 6.2   | 25.5                | 45.9 |
| C0730A         | 27           | 22       | 7/30         | 0.010                        | 0.25 | 0.032                    | 0.81 | 0.576        | 14.36 | 16.6              | 6.2   | 26.0                | 46.0 |

\*A - Capacitance between conductors

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

### Color Code Chart

| NO. OF PAIRS | COLOR             | NO. OF PAIRS | COLOR             |
|--------------|-------------------|--------------|-------------------|
| 1            | Black with Red    | 14           | Green with White  |
| 2            | Black with White  | 15           | Green with Blue   |
| 3            | Black with Green  | 16           | Green with Yellow |
| 4            | Black with Blue   | 17           | Green with Brown  |
| 5            | Black with Yellow | 18           | Green with Orange |
| 6            | Black with Brown  | 19           | White with Blue   |
| 7            | Black with Orange | 20           | White with Yellow |
| 8            | Red with White    | 21           | White with Brown  |
| 9            | Red with Green    | 22           | White with Orange |
| 10           | Red with Blue     | 23           | Blue with Yellow  |
| 11           | Red with Yellow   | 24           | Blue with Brown   |
| 12           | Red with Brown    | 25           | Blue with Orange  |
| 13           | Red with Orange   | 26           | Brown with Yellow |
|              |                   | 27           | Brown with Orange |



Designed to Meet UL Vertical Tray Flame Test

Underwriters Laboratories Inc.

