

# Multi-Paired, Individually Foil Shielded, Lo-Cap®

UL 2493, NEC Type CM (UL) c(UL) CMH

## Product Construction:

### Conductor:

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

### Insulation:

- Premium-grade, color-coded foamed Lo-Cap® polypropylene
- Color code: See chart below

### Shield:

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire each pair

### Jacket:

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

## Applications:

- High-speed computers
- Industrial equipment
- Control circuits
- Suitable for low capacitance applications
- Suitable for EIA RS-422 CAD/CAM applications
- Suggested voltage rating: 300 volts

## Features:

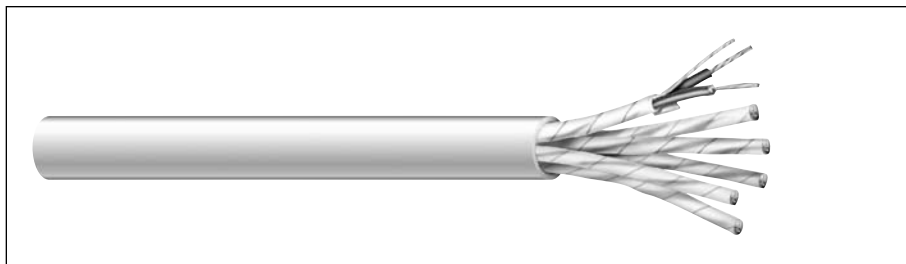
- Individually shielded pairs for excellent signal isolation
- Excellent high-frequency properties
- Mechanical durability

## Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300V)
- UL Style 2493 (UL: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray 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 DCR Ω/kft |       | VEL. OF PROP., % | NOM. IMP., Ω | NOMINAL CAP.* pF/ft |      |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|-------------------|-------|------------------|--------------|---------------------|------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    | COND.             | SHLD. |                  |              | A                   | B    |
| C0910A         | 2            | 24       | 7/32         | 0.022                     | 0.56 | 0.047                 | 1.19 | 0.283        | 7.19  | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0911A         | 3            | 24       | 7/32         | 0.022                     | 0.56 | 0.048                 | 1.22 | 0.381        | 9.68  | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0912A         | 4            | 24       | 7/32         | 0.022                     | 0.56 | 0.048                 | 1.22 | 0.416        | 10.57 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0913A         | 6            | 24       | 7/32         | 0.022                     | 0.56 | 0.048                 | 1.22 | 0.492        | 12.50 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0914A         | 9            | 24       | 7/32         | 0.022                     | 0.56 | 0.063                 | 1.60 | 0.601        | 15.27 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0915A         | 11           | 24       | 7/32         | 0.022                     | 0.56 | 0.063                 | 1.60 | 0.652        | 16.56 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0916A         | 12           | 24       | 7/32         | 0.022                     | 0.56 | 0.063                 | 1.60 | 0.672        | 17.08 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |
| C0917A         | 15           | 24       | 7/32         | 0.022                     | 0.56 | 0.063                 | 1.60 | 0.743        | 18.87 | 26.0              | 18.0  | 78               | 100          | 14.8                | 26.7 |

\*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 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    |              |                         |