

# Power-Limited Tray Cable, Foil Shield

UL 2464, NEC Type PLTC, NEC/CEC Type CM, CMG UL/CSA†

## Product Construction:

### Conductor:

- 22 or 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

### Insulation:

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

### Shield:

- 100% Flexfoi® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire
- 65% tinned copper braid (C7112A, C7114A and C7116A only)

### Jacket:

- PVC, gray or black
- Sunlight-resistant
- Temperature range: -20°C to +60°C or +105°C

## Applications:

- Power-limited circuits
- Intercom systems
- Business machines
- Computer interconnects
- Suitably marked for appropriate tray cable installations
- Petrochemical control systems
- Burglar alarms
- Suggested voltage rating: 300 volts

## Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C or 60°C, 300 V)
- NEC Article 800 Communications Cable (UL: 105°C or 60°C, 300 V)
- †UL Style 2464 (UL: 80°C, 300 V)
- UL PTLC Listing
- CSA CMG (CSA: 60°C) or CM c(UL)
- RoHS Compliant Directive 2011/65/EU
- 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

† UL Style 2464 only available on PVC insulation constructions



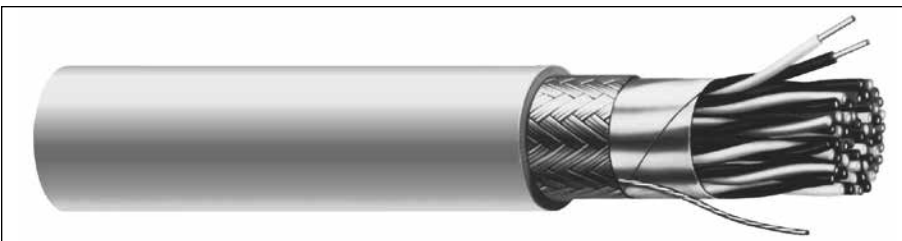
| CATALOG NUMBER  | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |       | NOMINAL CAP.* pF/ft |      |
|---|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|---------------------|------|
|   |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    | A                   | B    |
| <b>PVC INSULATION – UL STYLE 2464, NEC TYPE PLTC/CM, CSA CMG, 105°C</b> |              |          |              |                           |      |                       |      |              |       |                     |      |
| C0550A  | 2            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.07 | 0.294        | 7.47  | 32.0                | 57.0 |
| C0551A  | 3            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.07 | 0.309        | 7.85  | 29.0                | 52.2 |
| C0552A  | 4            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.07 | 0.337        | 8.56  | 29.0                | 52.2 |
| C0553A  | 6            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.35 | 0.418        | 10.62 | 26.5                | 47.7 |
| C0554A  | 9            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.35 | 0.480        | 12.19 | 26.5                | 47.7 |
| C0555A  | 11           | 22       | 7/30         | 0.015                     | 0.38 | 0.053                 | 1.35 | 0.520        | 13.21 | 27.0                | 48.5 |
| C0556A  | 15           | 22       | 7/30         | 0.015                     | 0.38 | 0.053                 | 1.35 | 0.592        | 15.04 | 27.0                | 48.5 |
| C0560A  | 2            | 18       | 16/30        | 0.016                     | 0.41 | 0.042                 | 1.07 | 0.314        | 7.98  | 40.0                | 72.0 |
| C0561A  | 3            | 18       | 16/30        | 0.016                     | 0.41 | 0.042                 | 1.07 | 0.403        | 10.24 | 33.5                | 60.3 |
| C0562A  | 4            | 18       | 16/30        | 0.016                     | 0.41 | 0.042                 | 1.07 | 0.440        | 11.18 | 33.5                | 60.3 |
| C0563A  | 6            | 18       | 16/30        | 0.016                     | 0.41 | 0.053                 | 1.35 | 0.519        | 13.18 | 30.5                | 54.9 |
| C0564A  | 9            | 18       | 16/30        | 0.016                     | 0.41 | 0.063                 | 1.60 | 0.643        | 16.33 | 30.5                | 54.9 |
| C0566A  | 15           | 18       | 16/30        | 0.016                     | 0.41 | 0.063                 | 1.60 | 0.720        | 18.29 | 30.5                | 54.9 |

\*A – Capacitance between conductors  
 \*B – Capacitance between one conductor and other conductors connected to shield  
 †CSA or c(UL)  
 Data subject to change.

### Color Code Chart

| NO. OF PAIRS | COLOR     |
|--------------|-----------|
| 1 thru 9     | Black/Red |

Each pair marked and numbered



## LO-CAP® DATACOM COLOR CODE WITH 65% TINNED COPPER BRAID

| CATALOG NUMBER   | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | NOMINAL CAP.* pF/ft |      |
|--|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|---------------------|------|
|  |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   | A                   | B    |
| <b>FOAMED POLYETHYLENE INSULATION – NEC TYPE PLTC/CM, CEC CM c(UL), 60°C</b> |              |          |              |                           |      |                       |      |              |      |                     |      |
| C7112A   | 1            | 22       | 7/.0096      | 0.024                     | 0.61 | 0.037                 | 0.94 | 0.261        | 6.63 | 11.5                | 20.5 |
| C7114A   | 2            | 22       | 7/.0096      | 0.017                     | 0.43 | 0.042                 | 1.07 | 0.343        | 8.71 | 11.0                | 19.6 |
| C7116A   | 3            | 22       | 7/.0096      | 0.015                     | 0.38 | 0.042                 | 1.07 | 0.344        | 8.74 | 11.0                | 19.6 |

\*A – Capacitance between conductors  
 \*B – Capacitance between one conductor and other conductors connected to shield  
 Data subject to change.

### Color Code Chart

| NO. OF PAIRS | COLOR                                       |
|--------------|---|
| 1            | White/Blue Stripe and Blue/White Stripe     |
| 2            | White/Orange Stripe and Orange/White Stripe |
| 3            | White/Green Stripe and Green/White Stripe   |



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