

# Multi-Conductor, Foil Shield

NEC Type CMP (UL) c(UL) and/or CL2P



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | NOM. CAP.** |       |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|-------------|-------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   | A           | B     |
| C3154*         | 2            | 22       | 7/30 TC      | 0.006                     | 0.15 | 0.010                 | 0.25 | 0.103        | 2.62 | 51.0        | 92.0  |
| C3310*         | 3            | 22       | 7/30 TC      | 0.006                     | 0.15 | 0.010                 | 0.25 | 0.116        | 2.95 | 45.0        | 81.0  |
| C3155*         | 4            | 22       | 7/30 TC      | 0.006                     | 0.15 | 0.010                 | 0.25 | 0.130        | 3.30 | 45.0        | 81.0  |
| C3311*         | 6            | 22       | 7/30 TC      | 0.006                     | 0.15 | 0.010                 | 0.25 | 0.152        | 3.86 | 40.0        | 73.0  |
| C3320*         | 2            | 20       | 7/28 TC      | 0.007                     | 0.18 | 0.010                 | 0.25 | 0.120        | 3.05 | 53.0        | 96.0  |
| C3321*         | 3            | 20       | 7/28 TC      | 0.007                     | 0.18 | 0.010                 | 0.25 | 0.136        | 3.45 | 46.0        | 84.0  |
| C3322*         | 4            | 20       | 7/28 TC      | 0.007                     | 0.18 | 0.010                 | 0.25 | 0.153        | 3.89 | 46.0        | 84.0  |
| C3162          | 2            | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.152        | 3.86 | 54.0        | 98.0  |
| C3164          | 3            | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.158        | 4.01 | 47.0        | 85.0  |
| C3163          | 4            | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.178        | 4.52 | 47.0        | 85.0  |
| C3166          | 6            | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.212        | 5.38 | 43.0        | 76.0  |
| C3180          | 8            | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.229        | 5.82 | 43.0        | 76.0  |
| C3181          | 10           | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.273        | 6.93 | 43.0        | 76.0  |
| C3182          | 12           | 18       | 7/26 BC      | 0.008                     | 0.20 | 0.012                 | 0.30 | 0.285        | 7.24 | 43.0        | 76.0  |
| C3169          | 2            | 16       | 19/.0117 BC  | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.181        | 4.60 | 62.0        | 112.0 |
| C3340          | 3            | 16       | 7/.0192 BC   | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.185        | 4.70 | 52.0        | 93.0  |
| C3341          | 4            | 16       | 7/.0192 BC   | 0.008                     | 0.20 | 0.010                 | 0.25 | 0.210        | 5.16 | 52.0        | 93.0  |

\*CL2P only

\*\*A – Capacitance between conductors

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

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    |

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

Underwriters Laboratories Inc.



### Product Construction:

#### Conductor:

- 22 thru 16 AWG fully annealed stranded tinned or bare copper per ASTM B3, B8 or B33
- Class B stranding per ASTM B8

#### Insulation:

- Halar
- Color code: See chart below

#### Shield:

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

#### Jacket:

- PVDF, natural
- Temperature range: -70°C to +150°C
- Sequential footage marked to facilitate installations
- Includes ripcord

### Applications:

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

### Compliances:

- NEC Article 725 (UL: 150°C, 150 V)
- NEC Article 800 (UL: 150°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

