

# Multi-Conductor, Foil Shield

NEC Type CMP (UL) c(UL)



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |      | NOM. CAP.* pF/ft |      |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|------------------|------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm   | A                | B    |
| <b>C8106</b>   | 3            | 18       | 19/30 TC     | 0.007                     | 0.18 | 0.014                 | 0.36 | 0.178        | 4.27 | 54.0             | 95.0 |
| <b>C8114</b>   | 4            | 18       | 19/30 TC     | 0.007                     | 0.18 | 0.014                 | 0.36 | 0.185        | 4.70 | 30.0             | 55.0 |

\*A – Capacitance between conductors

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

### Color Code Chart

| NO. OF COND. | COLOR |
|--------------|-------|
| 1            | Black |
| 2            | White |
| 3            | Red   |
| 4            | Green |

### Product Construction:

#### Conductor:

- 18 AWG fully annealed stranded tinned copper per ASTM B-33

#### Insulation:

- Premium-grade, color-coded FEP
- Color code: See chart below

#### Separator:

- Polyester tape with 25% overlap

#### Shield:

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

#### Jacket:

- FEP, red or as requested
- Temperature range: -40°C to +200°C

### Applications:

- Computer systems
- Remote control circuits
- Process control and instrumentation
- Suggested voltage rating: 300 volts

### Compliances:

- NEC Article 800
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

### Features:

- Fire-retardant, low-smoke jacket
- Suitable for outdoor and direct burial
- Chemical-resistant

### Packaging:

- Please contact Customer Service for packaging and color options



Designed to Meet  
NFPA 262 and CSA FT-6  
Steiner Tunnel Fire Tests  
for Plenum Applications

Underwriters Laboratories Inc.

