

# Multi-Conductor, Foil/Braid Shield

## UL 2094, NEC Type CL2

**Product Construction:**

**Conductor:**

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

**Insulation:**

- Premium grade color coded polyethylene
- Color Code: See chart below

**Shield:**

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- 80% tinned copper braid

**Jacket:**

- PVC, gray
- Temperature Range: -20°C to +60°C

**Applications:**

- Electronic circuits where RF shielding is required
- Video interconnect
- Broadcast and Studio
- Sound systems
- Suggested voltage rating: 300 volts

**Features:**

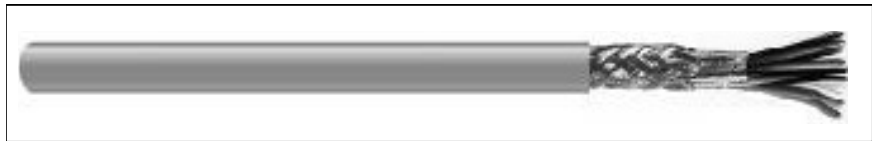
- Low capacitance
- Lightweight
- Excellent shielding for noise reduction

**Compliances:**

- NEC Article 725 Type CL2 (UL: 75°C)
- UL Style 2094 (UL: 60°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test

**Packaging:**

- 1000' (305 m) Spools
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



| 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>C1648</b>   | 8            | 20       | 26/34         | 0.015                     | 0.38 | 0.029                 | 0.74 | 0.316        | 8.03 | 21.0             | 37.0 |

\*A - Capacitance between conductors

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

**Color Code Chart**

| NO. OF COND. | COLOR | NO. OF COND. | COLOR  |
|--------------|-------|--------------|--------|
| 1            | Black | 5            | Yellow |
| 2            | White | 6            | Blue   |
| 3            | Red   | 7            | Brown  |
| 4            | Green | 8            | Orange |

