# **Multi-Paired, Foil Shield**

UL 2095, NEC Type CM (UL) c(UL)

# **Product Construction:**

### Conductor:

- 22 AWG fully annealed solid tinned copper per ASTM B-33
- Twisted pairs

# Insulation:

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

#### Shield:

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

# Jacket:

- PVC, gray
- Temperature range: -20°C to +80°C

# Applications:

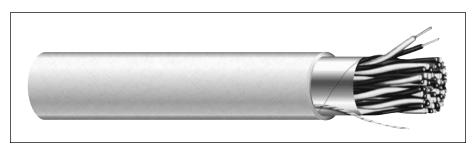
- Intercom systems
- · Sound systems
- Electronic instrumentation control systems
- Suggested voltage rating: 300 volts

# **Compliances:**

- NEC Article 800 Type CM (UL: 75°C, 300V)
- UL Style 2095 (UL: 80°C, 300V)
- 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 | NO. OF | AWG  | COND.  | NOM. INSULATION<br>THICKNESS |      | NOM. JACKET<br>THICKNESS |      | NOMINAL O.D. |       | NOMINAL CAP.*<br>pF/ft |      |
|---------|--------|------|--------|------------------------------|------|--------------------------|------|--------------|-------|------------------------|------|
| NUMBER  | PAIRS  | SIZE | STRAND | INCHES                       | mm   | INCHES                   | mm   | INCHES       | mm    | Α                      | В    |
| C6451A  | 51     | 22   | Solid  | 0.010                        | 0.25 | 0.050                    | 1.27 | 0.715        | 18.16 | 25.0                   | 45.0 |

<sup>\*</sup>A - Capacitance between conductors

# **Color Code Chart**

| NO. OF PAIRS | COLOR                                  | NO. OF<br>PAIRS | COLOR                                | NO. OF<br>PAIRS | COLOR                                  |  |
|--------------|--|-----------------|--------------------------------------|-----------------|--|--|
| 1            | Blue paired with White                 | 18              | Brown/White striped                  | 35              | Green/White striped                    |  |
| 2            | Orange paired with White               | 10              | paired with White                    | 33              | paired with Red                        |  |
| 3            | Green paired with White                | 19              | Brown/Gray striped                   | 36              | Green/Brown striped                    |  |
| 4            | Brown paired with White                | 19              | paired with White                    | 30              | paired with Red                        |  |
| 5            | Gray paired with White                 | 20              | Gray/White striped                   | 37              | Green/Gray striped                     |  |
| 6            | Blue/White striped                     | 20              | paired with White                    | 31              | paired with Red                        |  |
| 0            | paired with White                      | 21              | Blue paired with Red                 | 38              | Brown/White striped                    |  |
| 7            | Blue/Orange striped                    | 22              | Orange paired with Red               | 30              | paired with Red                        |  |
| •            | paired with White                      | 23              | Green paired with Red                | 39              | Brown/Gray striped                     |  |
| 8            | Blue/Green striped                     | 24              | Brown paired with Red                | 39              | paired with Red                        |  |
|              | paired with White                      | 25              | Gray paired with Red                 | 40              | Gray/White striped                     |  |
| 9            | Blue/Brown striped                     | 26              | Blue/White striped                   | 40              | paired with Red                        |  |
|              | paired with White                      |                 | paired with Red                      | 41              | Blue paired with Black                 |  |
| 10           | Blue/Gray striped                      | 27              | Blue/Orange striped                  | 42              | Orange paired with Black               |  |
| 10           | paired with White                      |                 | paired with Red                      | 43              | Green paired with Black                |  |
| 11           | Orange/White striped                   | 28              | Blue/Green striped                   | 44              | Brown paired with Black                |  |
| • •          | paired with White                      | 20              | paired with Red                      | 45              | Gray paired with Black                 |  |
| 12           | Orange/Green striped paired with White | 29              | Blue/Brown striped paired with Red   | 46              | Blue/White striped paired with Black   |  |
| 13           | Orange/Brown striped paired with White | 30              | Blue/Gray striped paired with Red    | 47              | Blue/Orange striped paired with Black  |  |
| 14           | Orange/Gray striped paired with White  | 31              | Orange/White striped paired with Red | 48              | Blue/Green striped paired with Black   |  |
| 15           | Green/White striped paired with White  | 32              | Orange/Green striped paired with Red | 49              | Blue/Brown striped paired with Black   |  |
| 16           | Green/Brown striped paired with White  | 33              | Orange/Brown striped paired with Red | 50              | Blue/Gray striped paired with Black    |  |
| 17           | Green/Gray striped paired with White   | 34              | Orange/Gray striped paired with Red  | 51              | Orange/White striped paired with Black |  |













<sup>\*</sup>B - Capacitance between one conductor and other conductors connected to shield