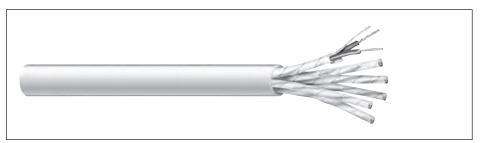
# Multi-Paired, Individually Foil Shielded

UL 2919, NEC Type CM, CSA CMH



| CATALOG | NO.<br>OF | AWG | COND.  | NOM.<br>INSULATION<br>THICKNESS |      | NOM.<br>JACKET<br>THICKNESS |      | NOMINAL<br>0.D. |       | NOMINAL<br>DCR<br>Ω/kft |       | VEL.<br>OF<br>PROP., | NOM. | NOMINAL<br>CAP.**<br>pF/ft |      |
|---------|-----------|-----|--------|---------------------------------|------|-----------------------------|------|-----------------|-------|-------------------------|-------|----------------------|------|----------------------------|------|
| NUMBER  | PAIRS     |     | STRAND | in                              | mm   | in                          | mm   | in              | mm    | COND.                   | SHLD. | %                    | Ω    | Α                          | В    |
| C6065A  | 3         | 24  | 7/32   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.269           | 6.83  | 26.0                    | 18.0  | 66                   | 71   | 21.7                       | 39.0 |
| C6066A  | 6         | 24  | 7/32   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.349           | 8.86  | 26.0                    | 18.0  | 66                   | 71   | 21.7                       | 39.0 |
| C6067A  | 9         | 24  | 7/32   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.406           | 10.31 | 26.0                    | 18.0  | 66                   | 71   | 21.7                       | 39.0 |
| C6040A  | 3         | 22  | 7/30   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.292           | 7.42  | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6041A  | 6         | 22  | 7/30   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.381           | 9.68  | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6042A  | 9         | 22  | 7/30   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.445           | 11.30 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6043A  | 11        | 22  | 7/30   | 0.011                           | 0.28 | 0.032                       | 0.81 | 0.486           | 12.34 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6059A  | 12        | 22  | 7/30   | 0.011                           | 0.28 | 0.048                       | 1.22 | 0.533           | 13.54 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6044A  | 15        | 22  | 7/30   | 0.011                           | 0.28 | 0.048                       | 1.22 | 0.591           | 15.01 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6060A  | 17        | 22  | 7/30   | 0.011                           | 0.28 | 0.048                       | 1.22 | 0.622           | 15.80 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6045A  | 19        | 22  | 7/30   | 0.011                           | 0.28 | 0.048                       | 1.22 | 0.622           | 15.80 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6046A* | 27        | 22  | 7/30   | 0.011                           | 0.28 | 0.048                       | 1.22 | 0.696           | 17.68 | 16.5                    | 11.3  | 66                   | 63   | 24.4                       | 43.9 |
| C6052A  | 3         | 20  | 7/28   | 0.013                           | 0.33 | 0.032                       | 0.81 | 0.339           | 8.61  | 10.5                    | 10.2  | 66                   | 61   | 25.3                       | 45.6 |
| C6053A  | 6         | 20  | 7/28   | 0.013                           | 0.33 | 0.032                       | 0.81 | 0.446           | 11.33 | 10.5                    | 10.2  | 66                   | 61   | 25.3                       | 45.6 |
| C6054A  | 9         | 20  | 7/28   | 0.013                           | 0.33 | 0.048                       | 1.22 | 0.555           | 14.10 | 10.5                    | 10.2  | 66                   | 61   | 25.3                       | 45.6 |
| C6056A  | 12        | 20  | 7/28   | 0.013                           | 0.33 | 0.048                       | 1.22 | 0.623           | 15.82 | 10.5                    | 10.2  | 66                   | 61   | 25.3                       | 45.6 |
| C6058A  | 15        | 20  | 7/28   | 0.013                           | 0.33 | 0.048                       | 1.22 | 0.692           | 17.58 | 10.5                    | 10.2  | 66                   | 61   | 25.3                       | 45.6 |
| C6047A  | 3         | 18  | 16/30  | 0.016                           | 0.41 | 0.032                       | 0.81 | 0.395           | 10.03 | 7.2                     | 8.3   | 66                   | 60   | 25.7                       | 46.2 |
| C6048A  | 6         | 18  | 16/30  | 0.016                           | 0.41 | 0.048                       | 1.22 | 0.556           | 14.12 | 7.2                     | 8.3   | 66                   | 60   | 25.7                       | 46.2 |
| C6049A  | 9         | 18  | 16/30  | 0.016                           | 0.41 | 0.048                       | 1.22 | 0.649           | 16.48 | 7.2                     | 8.3   | 66                   | 60   | 25.7                       | 46.2 |
| C6050A  | 12        | 18  | 16/30  | 0.016                           | 0.41 | 0.048                       | 1.22 | 0.731           | 18.57 | 7.2                     | 8.3   | 66                   | 60   | 25.7                       | 46.2 |
| C6051A  | 15        | 18  | 16/30  | 0.016                           | 0.41 | 0.048                       | 1.22 | 0.776           | 19.71 | 7.2                     | 8.3   | 66                   | 60   | 25.7                       | 46.2 |

#### \*UL 2919, CSA CMH Only

#### **Color Code Chart**

| Cotor Code Chart |                          |                 |                          |                 |                          |  |  |  |  |
|------------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|--|--|--|--|
| NO. OF<br>PAIRS  | COLOR                    | NO. OF<br>PAIRS | COLOR                    | NO. OF<br>PAIRS | COLOR                    |  |  |  |  |
| 1                | Black paired with Red    | 10              | Red paired with Blue     | 19              | White paired with Blue   |  |  |  |  |
| 2                | Black paired with White  | 11              | Red paired with Yellow   | 20              | White paired with Yellow |  |  |  |  |
| 3                | Black paired with Green  | 12              | Red paired with Brown    | 21              | White paired with Brown  |  |  |  |  |
| 4                | Black paired with Blue   | 13              | Red paired with Orange   | 22              | White paired with Orange |  |  |  |  |
| 5                | Black paired with Yellow | 14              | Green paired with White  | 23              | Blue paired with Yellow  |  |  |  |  |
| 6                | Black paired with Brown  | 15              | Green paired with Blue   | 24              | Blue paired with Brown   |  |  |  |  |
| 7                | Black paired with Orange | 16              | Green paired with Yellow | 25              | Blue paired with Orange  |  |  |  |  |
| 8                | Red paired with White    | 17              | Green paired with Brown  | 26              | Brown paired with Yellow |  |  |  |  |
| 9                | Red paired with Green    | 18              | Green paired with Orange | 27              | Brown paired with Orange |  |  |  |  |

# CAROL. BRAND













# **Product Construction:**

#### Conductor:

- 24 thru 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

# Insulation:

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

#### Shield:

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire each pair

### Jacket:

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

#### **Applications:**

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 30 volts

### Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMH Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

# Packaging:

 Please contact Customer Service for packaging and color options

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

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

Data subject to change.