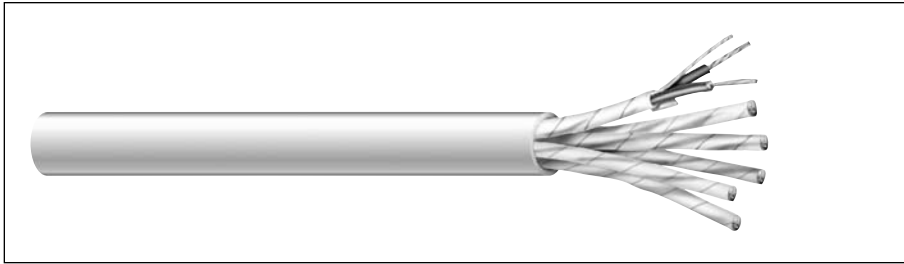


# Multi-Paired, Individually Foil Shielded

UL 2919, NEC Type CM, CSA CMH



## Product Construction:

### Conductor:

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

## Features:

- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

## Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMH Flame Test

## Packaging:

- Please contact Customer Service for packaging and color options

| CATALOG NUMBER | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOM. JACKET THICKNESS |      | NOMINAL O.D. |       | NOMINAL DCR Ω/kft |       | VEL. OF PROP., % | NOM. IMP., Ω | NOMINAL CAP.** pF/ft |      |
|----------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|-------|-------------------|-------|------------------|--------------|----------------------|------|
|                |              |          |              | INCHES                    | mm   | INCHES                | mm   | INCHES       | mm    | COND.             | SHLD. |                  |              | A                    | B    |
| 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

\*\*A – Capacitance between conductors

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

## Color Code Chart

| NO. OF PAIRS | COLOR                    | NO. OF PAIRS | COLOR                    | NO. OF 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**

**UL** LISTED

**CSA** CMH Certified Canadian Standard Association

**UL**

Designed to Meet  
UL Vertical Tray  
Flame Test  
Underwriters Laboratories Inc.

RoHS Compliant  
Directive 2002/95/EC

**General Cable**