

# COMMUNICATION & CONTROL

## MULTICONDUCTOR, BRAID SHIELD PVC/PVC

UL TYPE CM  
AWM 1108, 2095, CSA CMG FT4  
RoHS COMPLIANT, 300 VOLT & 450 VOLT

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- 75°C – CM

#### VOLTAGE RATING:

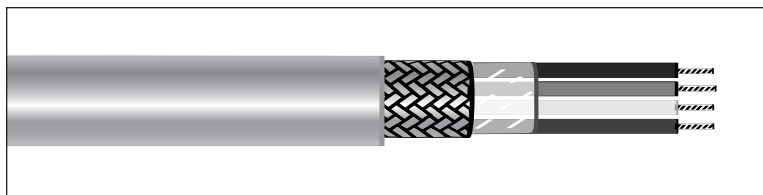
- 300 Volt – CM
- 450 Volt (14 & 12 AWG)

#### COLOR DESCRIPTION:

- Color Code: Chart D Page 375
- Jacket Color: Gray

#### PRODUCT DESCRIPTION:

- Conductor: Stranded or Solid Tinned Copper
- Insulation: Color-Coded PVC
- Wrap: Clear Polyester (Multiconductor Only)
- Shield: Braided Bare Copper
- Jacket: PVC



#### 80°C 300V - UL 1108, UL 2095 - TYPE CM

Insulation Thickness: **0.016"** (0,41mm) PVC

| Alpha Part No. | No. of Cond. | Conductor AWG | Strand    | Jacket Thickness Inches | mm   | Diameter Inches | mm  |
|----------------|--------------|---------------|-----------|-------------------------|------|-----------------|-----|
| <b>1735♦</b>   | 1            | 22            | 7/30      | 0.020                   | 0,50 | 0.12            | 3,1 |
| <b>1736C</b>   | 2            | 22            | 7/30      | 0.020                   | 0,50 | 0.18            | 4,6 |
| <b>1737C</b>   | 3            | 22            | 7/30      | 0.020                   | 0,50 | 0.20            | 5,0 |
| <b>1738C</b>   | 4            | 22            | 7/30      | 0.020                   | 0,50 | 0.21            | 5,3 |
| <b>1741C</b>   | 2            | 20            | 7/28      | 0.020                   | 0,50 | 0.20            | 5,0 |
| <b>1742C</b>   | 3            | 20            | 7/28      | 0.020                   | 0,50 | 0.22            | 5,5 |
| <b>1743C</b>   | 4            | 20            | 7/28      | 0.020                   | 0,50 | 0.23            | 5,8 |
| <b>1745♦</b>   | 1            | 18            | 16/30     | 0.020                   | 0,50 | 0.14            | 3,6 |
| <b>1746C</b>   | 2            | 18            | 16/30     | 0.020                   | 0,50 | 0.23            | 5,8 |
| <b>1747C</b>   | 3            | 18            | 16/30     | 0.020                   | 0,50 | 0.24            | 6,1 |
| <b>1747/4C</b> | 4            | 18            | 16/30     | 0.020                   | 0,50 | 0.25            | 6,4 |
| <b>1748C</b>   | 2            | 16            | 19/0.0117 | 0.020                   | 0,50 | 0.25            | 6,4 |
| <b>1749C</b>   | 3            | 16            | 19/0.0117 | 0.020                   | 0,50 | 0.25            | 6,4 |

### SPECIFICATIONS

- UL Type CM, AWM 1108, 2095
- CSA CMG FT4
- Passes UL Vertical Tray Flame Test
- † With a 22 AWG Solid Tinned Copper Drain Wire Under Braid Shield
- †† Not UL Recognized
- ♦ UL 1108 – Single Conductor, UL 2095 – Multiconductor
- "C" Suffix Indicates CM Rating
- RoHS Compliant



Passes  
UL VW-1 Flame Test  
Underwriters Laboratories Inc.



#### 80°C 300V - UL 2095 - TYPE CM

Insulation Thickness: **0.020"** (0,50mm) PVC

| Alpha Part No. | No. of Cond. | Conductor AWG | Strand | Jacket Thickness Inches | mm   | Diameter Inches | mm  |
|----------------|--------------|---------------|--------|-------------------------|------|-----------------|-----|
| <b>▲1775C†</b> | 2            | 22            | Solid  | 0.020                   | 0,50 | 0.17            | 4,4 |

#### 80°C 450V††

Insulation Thickness: **0.020"** (0,50mm) PVC

| Alpha Part No. | No. of Cond. | Conductor AWG | Strand | Jacket Thickness Inches | mm   | Diameter Inches | mm  |
|----------------|--------------|---------------|--------|-------------------------|------|-----------------|-----|
| <b>1750</b>    | 2            | 14            | 41/30  | 0.020                   | 0,50 | 0.29            | 7,4 |
| <b>1751</b>    | 3            | 14            | 41/30  | 0.020                   | 0,50 | 0.29            | 7,4 |
| <b>1760</b>    | 2            | 12            | 65/30  | 0.020                   | 0,50 | 0.33            | 8,4 |
| <b>1761</b>    | 3            | 12            | 65/30  | 0.020                   | 0,50 | 0.34            | 8,6 |

### AVAILABILITY

- 100 ft (30,5m), 500 ft (152m), 1000 ft (305m) put-ups
- ▲ 500 ft (152m), 1000 ft (305m) put-ups



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