

## 8459 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 25           | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 25

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.011                |

**Outer Shield****Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .040                      |

**Overall Cable****Overall Cabling Color Code Chart:**

| Color           |
|-----------------|
| Black           |
| White           |
| Red             |
| Green           |
| Orange          |
| Blue            |
| White/Black     |
| Red/Black       |
| Green/Black     |
| Orange/Black    |
| Blue/Black      |
| Black/White     |
| Red/White       |
| Green/White     |
| Blue/White      |
| Black/Red       |
| White/Red       |
| Orange/Red      |
| Blue/Red        |
| Red/Green       |
| Orange/Green    |
| Black/White/Red |

**8459 Multi-Conductor - Audio, Control and Instrumentation Cable**

|                   |
|-------------------|
| White/Black/Red   |
| Red/Black/White   |
| Green/Black/White |

Overall Nominal Diameter: 0.387 in.

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| UL Temperature Rating:            | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight:                | 101 lbs/1000 ft.         |
| Max. Recommended Pulling Tension: | 228 lbs.                 |
| Min. Bend Radius/Minor Axis:      | 4 in.                    |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CMG                        |
| CEC/C(UL) Specification:              | CMG                        |
| AWM Specification:                    | UL Style 2576 (150 V 80°C) |
| EU CE Mark:                           | Yes                        |
| EU Directive 2000/53/EC (ELV):        | Yes                        |
| EU Directive 2002/95/EC (RoHS):       | Yes                        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005                 |
| EU Directive 2002/96/EC (WEEE):       | Yes                        |
| EU Directive 2003/11/EC (BFR):        | Yes                        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                        |
| MII Order #39 (China RoHS):           | Yes                        |

**Flame Test**

|                 |                    |
|-----------------|--------------------|
| UL Flame Test:  | UL1685 FT4 Loading |
| CSA Flame Test: | FT4                |

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (µH/ft)

.17

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

34

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

15.6

**Max. Operating Voltage - UL:**

Voltage

300 V RMS (CMG)

150 V RMS (UL AWM Style 2576)

**Max. Recommended Current:**

Current

1.5 Amps per conductor @ 25°C

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## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc      |
|--------------|----------|-------------|--------|-------|----------------|
| 8459 060100  | 100 FT   | 11.300 LB   | CHROME |       | 25 #22 PVC PVC |
| 8459 0601000 | 1,000 FT | 109.000 LB  | CHROME | C     | 25 #22 PVC PVC |
| 8459 060500  | 500 FT   | 55.000 LB   | CHROME | C     | 25 #22 PVC PVC |
| 8459 0605000 | 5,000 FT | 565.000 LB  | CHROME |       | 25 #22 PVC PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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