

## 8456 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**General Description:**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 10           | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 10

**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 | .032                      |

**Overall Cable**

Overall Cabling Color Code Chart:

| Color  |
|--------|
| Black  |
| White  |
| Red    |
| Green  |
| Brown  |
| Blue   |
| Orange |
| Yellow |
| Purple |
| Gray   |

Overall Nominal Diameter: 0.264 in.

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| UL Temperature Rating:            | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight:                | 41 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 88 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 2.750 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) |
| CSA Specification:                 | FT4                        |
| EU Directive 2011/65/EU (ROHS II): | Yes                        |

## 8456 Multi-Conductor - Audio, Control and Instrumentation Cable

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 &amp; 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   | Description |
|-----------|-------------|
| 300 V RMS | CMG         |
| 150 V RMS | UL AWM 2576 |

## Max. Recommended Current:

Current

2.1 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc      |
|---------------|----------|-------------|--------|-------|----------------|
| 8456 060U1000 | 1,000 FT | 43.000 LB   | CHROME |       | 10 #22 PVC PVC |
| 8456 060U500  | 500 FT   | 22.000 LB   | CHROME |       | 10 #22 PVC PVC |
| 8456 060100   | 100 FT   | 4.800 LB    | CHROME |       | 10 #22 PVC PVC |
| 8456 0601000  | 1,000 FT | 45.000 LB   | CHROME | C     | 10 #22 PVC PVC |
| 8456 060500   | 500 FT   | 22.500 LB   | CHROME |       | 10 #22 PVC PVC |
| 8456 0605000  | 5,000 FT | 215.000 LB  | CHROME |       | 10 #22 PVC PVC |

## Notes:

C = CRATE REEL PUT-UP.

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