

## 8458 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 |
|--------------|-----|-----------|--------------------|
| 15           | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 15

#### 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   |

Overall Nominal Diameter: 0.315 in.

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| UL Temperature Rating:            | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight:                | 64 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 135 lbs.                 |
| Min. Bend Radius/Minor Axis:      | 3.250 in.                |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                          |     |
|--------------------------|-----|
| NEC/(UL) Specification:  | CMG |
| CEC/C(UL) Specification: | CMG |

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|                                       |                            |
|---------------------------------------|----------------------------|
| AWM Specification:                    | UL Style 2576 (150 V 80°C) |
| CSA Specification:                    | FT4                        |
| EU Directive 2011/65/EU (ROHS II):    | Yes                        |
| 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                        |
| MIL 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                       |
| 2.1 Amps per conductor @ 25°C |

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc      |
|--------------|----------|-------------|--------|-------|----------------|
| 8458 060100  | 100 FT   | 7.300 LB    | CHROME |       | 15 #22 PVC PVC |
| 8458 0601000 | 1,000 FT | 72.000 LB   | CHROME | C     | 15 #22 PVC PVC |
| 8458 060500  | 500 FT   | 35.500 LB   | CHROME | C     | 15 #22 PVC PVC |
| 8458 0605000 | 5,000 FT | 345.000 LB  | CHROME | C     | 15 #22 PVC PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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