

## 9458 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 15           | 20  | 7x28      | TC - Tinned Copper |

**Total Number of Conductors:** 15

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

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.015                |

**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:**

| Number | Color                 |
|--------|-----------------------|
| 1      | Blue w/White Stripe   |
| 2      | Green w/White Stripe  |
| 3      | Red w/White Stripe    |
| 4      | Black w/White Stripe  |
| 5      | Blue w/Black Stripe   |
| 6      | Orange w/Black Stripe |
| 7      | Green w/Black Stripe  |
| 8      | Red w/Black Stripe    |
| 9      | White w/Black Stripe  |
| 10     | Blue                  |
| 11     | Orange (around Green) |
| 12     | Green                 |
| 13     | Red                   |
| 14     | White                 |
| 15     | Black                 |

**Overall Nominal Diameter:** 0.389 in.

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** -20°C To +80°C

**UL Temperature Rating:** 80°C (UL AWM Style 2464)

**Bulk Cable Weight:** 100 lbs/1000 ft.

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|                                          |          |
|------------------------------------------|----------|
| <b>Max. Recommended Pulling Tension:</b> | 185 lbs. |
| <b>Min. Bend Radius/Minor Axis:</b>      | 4 in.    |

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

|                                              |                            |
|----------------------------------------------|----------------------------|
| <b>NEC/(UL) Specification:</b>               | CMG                        |
| <b>CEC/C(UL) Specification:</b>              | CMG                        |
| <b>AWM Specification:</b>                    | UL Style 2464 (300 V 80°C) |
| <b>EU CE Mark:</b>                           | Yes                        |
| <b>EU Directive 2000/53/EC (ELV):</b>        | Yes                        |
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes                        |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 04/01/2005                 |
| <b>EU Directive 2002/96/EC (WEEE):</b>       | Yes                        |
| <b>EU Directive 2003/11/EC (BFR):</b>        | Yes                        |
| <b>CA Prop 65 (CJ for Wire &amp; Cable):</b> | Yes                        |
| <b>MII Order #39 (China RoHS):</b>           | Yes                        |

**Flame Test**

|                        |                    |
|------------------------|--------------------|
| <b>UL Flame Test:</b>  | UL1685 FT4 Loading |
| <b>CSA Flame Test:</b> | FT4                |

**Plenum/Non-Plenum**

|                      |    |
|----------------------|----|
| <b>Plenum (Y/N):</b> | No |
|----------------------|----|

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 27                         |

**Nom. Conductor DC Resistance:**

|                                 |
|---------------------------------|
| <b>DCR @ 20°C (Ohm/1000 ft)</b> |
| 10.7                            |

**Max. Operating Voltage - UL:**

|                |
|----------------|
| <b>Voltage</b> |
| 300 V RMS      |

**Max. Recommended Current:**

|                               |
|-------------------------------|
| <b>Current</b>                |
| 2.8 Amps per conductor @ 25°C |

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc        |
|--------------|----------|-------------|--------|-------|------------------|
| 9458 060100  | 100 FT   | 11.500 LB   | CHROME |       | 15#20 PVC FRPVC  |
| 9458 0601000 | 1,000 FT | 107.000 LB  | CHROME | C     | 15#20 PVC FRPVC  |
| 9458 060500  | 500 FT   | 55.000 LB   | CHROME | C     | 15#20 PVC FRPVC  |
| 9458 0605000 | 5,000 FT | 565.000 LB  | CHROME |       | 15 #22 PVC FRPVC |

**Notes:**

C = CRATE REEL PUT-UP.

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