

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 |
| 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 |
| 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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