

## 88442 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) tinned copper conductors, plenum, FEP insulation, twisted pairs, FEP jacket.

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

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation**

Insulation Material:

| Insulation Material                  | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| FEP - Fluorinated Ethylene Propylene | 0.007                |

**Outer Shield**

Outer Shield Material:

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

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material                | Nom. Wall Thickness (in.) |
|--------------------------------------|---------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.009                     |

**Overall Cable**

Overall Nominal Diameter: 0.102 in.

**Pair**

Pair Color Code Chart:

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -70°C To +200°C |
| Bulk Cable Weight:                | 8 lbs/1000 ft.  |
| Max. Recommended Pulling Tension: | 15 lbs.         |
| Min. Bend Radius/Minor Axis:      | 1.250 in.       |

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

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMP        |
| CEC/C(UL) Specification:              | CMP        |
| 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**

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UL Flame Test: NFPA 262

CSA Flame Test: FT6

**Suitability**

Suitability - Outdoor: Yes

Suitability - Burial: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

Non-Plenum Number: 8442

**Electrical Characteristics (Overall)****Nom. Inductance:**Inductance (µH/ft)  
.15**Nom. Capacitance Conductor to Conductor:**Capacitance (pF/ft)  
17**Nom. Conductor DC Resistance:**DCR @ 20°C (Ohm/1000 ft)  
15**Nominal Conductor Loop Resistance:**Resistance @ 20°C (Ohm/1000 ft)  
30**Max. Operating Voltage - UL:**Voltage  
300 V RMS**Max. Recommended Current:**Current  
3.3 Amps per conductor @ 25°C (10°C rise in temp)**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc    |
|---------------|----------|-------------|-------|-------|--------------|
| 88442 002100  | 100 FT   | 2.300 LB    | RED   |       | 2#22 FEP FEP |
| 88442 0021000 | 1,000 FT | 9.000 LB    | RED   | C     | 2#22 FEP FEP |
| 88442 002500  | 500 FT   | 5.500 LB    | RED   | C     | 2#22 FEP FEP |

**Notes:**

C = CRATE REEL PUT-UP.

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