

## 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

MIL Order #39 (China RoHS): Yes

#### Flame Test

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UL Flame Test: NI-PA 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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