

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

**BELDEN**  
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## 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 ( $\mu$ H/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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