

## 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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