

## 82442 Multi-Conductor - Audio, Control and Instrumentation Cable, 2 Conductors Cabld



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

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

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

#### Overall Cabling

Overall Nominal Diameter: 0.113 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 8.400 lbs/1000 ft.

Max. Recommended Pulling Tension: 15 lbs.

Min. Bend Radius (Install)/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 CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005

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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:	NFPA 262
C(UL) Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	8442

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
88

### 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)

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82442 877U1000	1,000 FT	9.000 LB	NATURAL		1 PR #22 FEP FLMRST
82442 8771000	1,000 FT	8.000 LB	NATURAL	C	1 PR #22 FEP FLMRST

### Notes:

C = CRATE REEL PUT-UP.

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