

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

For more Information
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) tinned copper conductors, plenum, FEP insulation, twisted pairs, Flammarrest® 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 (mm)
FEP - Fluorinated Ethylene Propylene	0.178

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Overall Cable

Overall Nominal Diameter: 2.870 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +60°C
Bulk Cable Weight:	11.906 Kg/Km
Max. Recommended Pulling Tension:	66.723 N
Min. Bend Radius/Minor Axis:	31.750 mm

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

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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	8442
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Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (μH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

55.777

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Nominal Conductor Loop Resistance:

Resistance @ 20°C (Ohm/km)

98.43

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
82442 877U1000	1,000 FT	9.000 LB	NATURAL		1 PR #22 FEP FLMRST
82442 8771000	1,000 FT	10.000 LB	NATURAL	C	1 PR #22 FEP FLMRST

Notes:

C = CRATE REEL PUT-UP.

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