

## 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 (mm)
FEP - Fluorinated Ethylene Propylene	0.178

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.229

#### Overall Cable

Overall Nominal Diameter: 2.591 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°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

METRIC MEASUREMENT VERSION

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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

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/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
88442 002100	30 MT	1.043 KG	RED		2#22 FEP FEP
88442 0021000	305 MT	4.082 KG	RED	C	2#22 FEP FEP
88442 002500	152 MT	2.495 KG	RED	C	2#22 FEP FEP

### Notes:

C = CRATE REEL PUT-UP.

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