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**83552**



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

22 AWG stranded (7x30) TC conductors, conductors cabled, plenum, FEP insulated, overall Beldfoil® (100% coverage) + TC braid shield (85% coverage), FEP jacket.

**For more Information  
Please call**

**1-800-Belden1**



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## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83552 0021000	1,000 FT	18.000 LB	RED	C	2#22 FEP SH FEP
83552 002500	500 FT	10.000 LB	RED	C	2#22 FEP SH FEP

**Notes:**

C = CRATE REEL PUT-UP.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	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:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

## Outer Jacket

### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.014

## Overall Cable

### Overall Cabling Lay Length & Direction:

Length (in.)
1.5

### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.141 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	16 lbs/1000 ft.
Max. Recommended Pulling Tension:	19 lbs.
Min. Bend Radius/Minor Axis:	1.500 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):	01/01/2005
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

## Plenum/Non-Plenum

Plenum (Y/N):

Yes

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

63

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.5

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.5

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

2.75 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** Plenum Cables, except for Flamarrest® jacket, are suitable for Outdoor and Direct Burial application.

Close

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