# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



### 5400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



## **Description:**

20 AWG bare copper conductors, PP insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

#### **Usage (Overall)**

Suitable Applications:

Intercom/PA Systems, Sound/Audio Systems

### **Physical Characteristics (Overall)**

#### Conductor

AWG:

# Conductors	AWG Stranding		<b>Conductor Material</b>		
2	20	7x28	BC - Bare Copper		

#### Insulation

**Insulation Material:** 

| Insulation Material Wall Thickness (in.) | PP - Polypropylene | 0.007

#### **Outer Shield**

**Outer Shield Material:** 

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Yes

#### **Outer Shield Drain Wire AWG:**

ı	_		Drain Wire Conductor Material				
	24	7x32	TC - Tinned Copper				

#### **Outer Jacket**

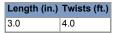
**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord:

#### **Overall Cabling**

**Overall Cabling Lay Length & Direction:** 



### **Overall Cabling Color Code Chart:**

Number	Color	
1	Black	
2	Red	

Overall Nominal Diameter: 0.138 in.

Mechanica	Mechanical Characteristics (Overall)						
Operatii	ng Temperature Range:	-20°C To +75°C					
UL Tem	perature Rating:	75°C					
Bulk Ca	ble Weight:	15.600 lbs/1000 ft.					
Max. Re	commended Pulling Tension:	37.100 lbs.					

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### **Applicable Specifications and Agency Compliance (Overall)**

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Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMR				
NEC Articles:	800				
CEC/C(UL) Specification:	CMG				
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					
UL Flame Test:	UL1666 Vertical Shaft				
C(UL) Flame Test:	FT4				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

6400FE

## **Surface Printing (Overall)**

Plenum Number:

### **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/ft) 0.155

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 43.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 78.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/1000 ft) 16.700

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

3.75 Amps per conductor @ 25°C (10°C rise in temp)

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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5400FE 008U1000	1,000 FT	15.000 LB	GRAY		2 #20 PP FS FRPVC
5400FE 008U500	500 FT	7.500 LB	GRAY		2 #20 PP FS FRPVC
5400FE 0081000	1,000 FT	14.000 LB	GRAY	С	2 #20 PP FS FRPVC
5400FE 008500	500 FT	7.500 LB	GRAY		2 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-03-2008

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