# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



# 5401FE Multi-Conductor - Commercial Audio Systems



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>
3	20	7x28	BC - Bare Copper

#### Insulation

**Insulation Material:** 



#### **Outer Shield**

**Outer Shield Material:** 

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

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

	Stranding	<b>Drain Wire Conductor Materia</b>	
24	7x32	TC - Tinned Copper	

### **Outer Jacket**

**Outer Jacket Material:** 

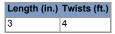
Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord:

Yes

### **Overall Cable**

**Overall Cabling Lay Length & Direction:** 



# **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 0.145 in.

# Mechanical Characteristics (Overall)

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Operating Temperature Range:	-20°C To +75°C		
UL Temperature Rating:	75°C		
Bulk Cable Weight:	19.200 lbs/1000 ft.		

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Max. Recommended Pulling Tension:	46.900 lbs.	
Min. Bend Radius (Install)/Minor Axis:	1.500 in.	
plicable Specifications and Agency (	Compliance (Overall)	

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Applicable openious and Agency compilation (overlain)					
Appli	Applicable Standards & Environmental Programs				
N	EC/(UL) Specification:	CMR			
N	EC Articles:	800			
C	EC/C(UL) Specification:	CMG			
E	U CE Mark:	Yes			
E	U Directive 2000/53/EC (ELV):	Yes			
E	U Directive 2002/95/EC (RoHS):	Yes			
E	U RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
E	U Directive 2002/96/EC (WEEE):	Yes			
E	U Directive 2003/11/EC (BFR):	Yes			
C	A Prop 65 (CJ for Wire & Cable):	Yes			
М	II Order #39 (China RoHS):	Yes			
Flame	e Test				
U	L Flame Test:	UL1666 Vertical Shaft			
C	(UL) Flame Test:	FT4			
Plenu	ım/Non-Plenum				
PI	enum (Y/N):	No			
PI	enum Number:	6401FE			

# **Surface Printing (Overall)**

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

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 90.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/1000 ft) 16.100

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

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

### **Related Documents:**

# **Detailed Specifications & Technical Data**

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### 5401FE Multi-Conductor - Commercial Audio Systems

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5401FE 008U1000	1,000 FT	19.000 LB	GRAY		3 #20 PP FS FRPVC
5401FE 008U500	500 FT	10.000 LB	GRAY		3 #20 PP FS FRPVC
5401FE 0081000	1,000 FT	19.000 LB	GRAY	С	3 #20 PP FS FRPVC
5401FE 008500	500 FT	9.500 LB	GRAY		3 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 01-06-2009

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