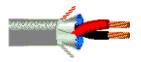
# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



## 5500FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



## **General Description:**

Security & Alarm Cable, Riser-CMR, 2-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### **Usage (Overall)**

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems

## **Physical Characteristics (Overall)**

### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	22	7x30	BC - Bare Copper

Total Number of Conductors: 2

### Insulation

**Insulation Material:** 

Insulation Material Wall Thickness (mm)
PP - Polypropylene | 0.203

### **Outer Shield**

**Outer Shield Material:** 

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

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

AWG	Stranding	<b>Drain Wire Conductor Material</b>
24	7x#32	TC - Tinned Copper

### **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

### **Overall Cable**

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
63.500	Left Hand	15.749

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

	Number	Colo	
	1	Black	
	2	Red	

Overall Nominal Diameter: 3.200 mm

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	14.138 Kg/Km

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# **Detailed Specifications & Technical Data**





# 5500FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

20001 E Maili Conductor Commorcial Addio Cystems 2 Conductors St		
Max. Recommended Pulling Tension:	105.422 N	
Min. Bend Radius/Minor Axis:	31.750 mm	
Applicable Specifications and Agency C	compliance (Overall)	
Applicable Standards & Environmental Prog	grams	
NEC/(UL) Specification:	CMR	
NEC Articles:	800	
CEC/C(UL) Specification:	CMG	
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):	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	

### **Flame Test**

**UL Flame Test:** UL1666 Vertical Shaft

C(UL) Flame Test: FT4

### Suitability

Suitability - Indoor: Yes

#### Plenum/Non-Plenum

Plenum Number: 6500FE

# **Surface Printing (Overall)**

MII Order #39 (China RoHS):

**Surface Printing:** NEW GENERATION(R) BY BELDEN 5500FE CMR 75C 2C22 SHIELDED (UL)

Yes

E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET

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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 113.195

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 203.422

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 52.8241

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 52.8241

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Description	Current		
10C Temperature Rise	2.8 Amps per conductor @ 25°C ambient		

# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



### 5500FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5500FE 008U1000	1,000 FT	11.000 LB	GRAY		2 #22 PP FS FRPVC
5500FE 008U500	500 FT	6.000 LB	GRAY		2 #22 PP FS FRPVC
5500FE 008Z1000	1,000 FT	13.000 LB	GRAY		2 #22 PP FS FRPVC
5500FE 0081000	1,000 FT	11.000 LB	GRAY		2 #22 PP FS FRPVC
5500FE 008500	500 FT	5.500 LB	GRAY		2 #22 PP FS FRPVC
5500FE 009U1000	1,000 FT	11.000 LB	WHITE		2 #22 PP FS FRPVC
5500FE 009Z1000	1,000 FT	13.000 LB	WHITE		2 #22 PP FS FRPVC
5500FE 010U1000	1,000 FT	11.000 LB	BLACK		2 #22 PP FS FRPVC
5500FE 010Z1000	1,000 FT	13.000 LB	BLACK		2 #22 PP FS FRPVC

Revision Number: 4 Revision Date: 03-18-2014

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