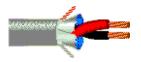
# **Detailed Specifications & Technical Data**

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

2

### **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:

#### 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	Solid	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	Color
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

Max. Recommended Pulling Tension:	105.422 N				
Min. Bend Radius/Minor Axis:	31.750 mm				
wliashla Charifications and Agency Compliance (Overall)					

# Applicable Specifications and Agency Compliance (Overall)

### Ap

Fr				
Applicable Standards & Environmental Programs				
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			
MII Order #39 (China RoHS):	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)**

# **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

Max. Recommended Current:

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

# **Put Ups and Colors:**

# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5500FE 008U1000	305 MT	4.990 KG	GRAY		2 #22 PP FS FRPVC
5500FE 008U500	152 MT	2.722 KG	GRAY		2 #22 PP FS FRPVC
5500FE 0081000	305 MT	4.990 KG	GRAY		2 #22 PP FS FRPVC
5500FE 008500	152 MT	2.495 KG	GRAY		2 #22 PP FS FRPVC
5500FE 009U1000	305 MT	4.990 KG	WHITE		2 #22 PP FS FRPVC
5500FE 010U1000	305 MT	4.990 KG	BLACK		2 #22 PP FS FRPVC

Revision Number: 3 Revision Date: 10-02-2013

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ensure product availability.

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