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[5500FE.00152](#)

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## 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	Drain Wire Conductor Material
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

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

Max. Recommended Pulling Tension:	105.422 N
Min. Bend Radius/Minor Axis:	31.750 mm

**Applicable Specifications and Agency Compliance (Overall)****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
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**Plenum/Non-Plenum**

Plenum Number:	6500FE
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**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
300 V RMS

**Max. Recommended Current:**

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

**Put Ups and Colors:**

## 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

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