

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 (in.)
PP - Polypropylene	0.008

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	7x#32	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:

Length (in.)	Direction	Twists (twist/ft)
2.500	Left Hand	4.800

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.126 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 9.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 23.700 lbs.

Min. Bend Radius/Minor Axis: 1.250 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMR

NEC Articles: 800

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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/ft)

34.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

62.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.1

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:

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 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 010U1000	1,000 FT	11.000 LB	BLACK		2 #22 PP FS FRPVC

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).