

METRIC MEASUREMENT VERSION

## 5501FE Multi-Conductor - Commercial Audio Systems

For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CMR, 3-22 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
3	22	7x30	BC - Bare Copper

**Total Number of Conductors:** 3

#### 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	7x32	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)
50.800	Left Hand	19.686

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White

**Overall Nominal Diameter:** 3.378 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

## 5501FE Multi-Conductor - Commercial Audio Systems

<b>Bulk Cable Weight:</b>	17.858 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	145.901 N
<b>Min. Bend Radius/Minor Axis:</b>	33.338 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMR
<b>NEC Articles:</b>	800
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
<b>C(UL) Flame Test:</b>	FT4

#### Suitability

<b>Suitability - Indoor:</b>	Yes
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	6501FE

### Surface Printing (Overall)

<b>Surface Printing:</b>	NEW GENERATION(R) BY BELDEN 5501FE CMR 75C 3C22 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
92.688

#### Nom. Capacitance Cond. to Other Conductor & Shield:

<b>Capacitance (pF/m)</b>
167.331

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
53.8084

#### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
52.8241

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

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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
5501FE 008U1000	1,000 FT	14.000 LB	GRAY		3 #22 PP FS FRPVC
5501FE 008U500	500 FT	8.000 LB	GRAY		3 #22 PP FS FRPVC
5501FE 008Z1000	1,000 FT	16.000 LB	GRAY		3 #22 PP FS FRPVC
5501FE 0081000	1,000 FT	15.000 LB	GRAY	C	3 #22 PP FS FRPVC
5501FE 008500	500 FT	7.000 LB	GRAY		3 #22 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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