

## 6500FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Usage (Overall)

Suitable Applications: Intercom/PA Systems and 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 Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

#### 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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
63.49975	15.7488

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 3.251 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 16.817 Kg/Km

Max. Recommended Pulling Tension: 106.757 N

Min. Bend Radius/Minor Axis: 33.020 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

## METRIC MEASUREMENT VERSION

### 6500FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

CEC/C(UL) Specification:	CMP
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:	NFPA 262
C(UL) Flame Test:	FT6

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5500FE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.55777

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
180.455

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

Capacitance (pF/m)
324.819

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
50.1993

#### 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
6500FE 003U1000	1,000 FT	13.000 LB	ORANGE		2 #22 FLRST FS FLRST
6500FE 003I1000	1,000 FT	12.000 LB	ORANGE		2 #22 FLRST FS FLRST
6500FE 008U1000	1,000 FT	12.000 LB	GRAY		2 #22 FLRST FS FLRST
6500FE 009U1000	1,000 FT	12.000 LB	WHITE		2 #22 FLRST FS FLRST
6500FE 009U250	250 FT	3.750 LB	WHITE		2 #22 FLRST FS FLRST
6500FE 010U1000	1,000 FT	12.000 LB	BLACK		2 #22 FLRST FS FLRST
6500FE 010U250	250 FT	3.750 LB	BLACK		2 #22 FLRST FS FLRST
6500FE 010U500	500 FT	6.500 LB	BLACK		2 #22 FLRST FS FLRST
6500FE 877C500	500 FT	5.500 LB	NATURAL		2 #22 FLRST FS FLRST
6500FE 877U1000	1,000 FT	12.000 LB	NATURAL		2 #22 FLRST FS FLRST
6500FE 877U250	250 FT	3.750 LB	NATURAL		2 #22 FLRST FS FLRST
6500FE 877U500	500 FT	6.500 LB	NATURAL		2 #22 FLRST FS FLRST
6500FE 877I1000	1,000 FT	12.000 LB	NATURAL	C	2 #22 FLRST FS FLRST
6500FE 877500	500 FT	6.000 LB	NATURAL		2 #22 FLRST FS FLRST

#### Notes:

## METRIC MEASUREMENT VERSION

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C = CRATE REEL PUT-UP.

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