

## 6300FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CMP, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Usage (Overall)

Suitable Applications: Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.009

#### 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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.000	Left hand	4.000

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.162 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 21.400 lbs/1000 ft.

Max. Recommended Pulling Tension: 57 lbs.

Min. Bend Radius/Minor Axis: 1.625 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

## 6300FE 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:	5300FE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)
.15

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
70

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

Capacitance (pF/ft)
126

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.4

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.900

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	5 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300FE D151000	1,000 FT	23.000 LB	BLUE		2 #18 FLRST FS FLRST
6300FE 0021000	1,000 FT	23.000 LB	RED		2 #18 FLRST FS FLRST
6300FE 0041000	1,000 FT	23.000 LB	YELLOW		2 #18 FLRST FS FLRST
6300FE 0051000	1,000 FT	23.000 LB	GREEN, DARK		2 #18 FLRST FS FLRST
6300FE 0071000	1,000 FT	23.000 LB	VIOLET		2 #18 FLRST FS FLRST
6300FE 008U1000	1,000 FT	21.000 LB	GRAY		2 #18 FLRST FS FLRST
6300FE 009U1000	1,000 FT	21.000 LB	WHITE		2 #18 FLRST FS FLRST
6300FE 009U250	250 FT	6.750 LB	WHITE		2 #18 FLRST FS FLRST
6300FE 009U500	500 FT	12.000 LB	WHITE		2 #18 FLRST FS FLRST
6300FE 0091000	1,000 FT	23.000 LB	WHITE		2 #18 FLRST FS FLRST
6300FE 010U1000	1,000 FT	21.000 LB	BLACK		2 #18 FLRST FS FLRST
6300FE 0101000	1,000 FT	23.000 LB	BLACK		2 #18 FLRST FS FLRST
6300FE 877U1000	1,000 FT	21.000 LB	NATURAL		2 #18 FLRST FS FLRST
6300FE 877U500	500 FT	12.000 LB	NATURAL		2 #18 FLRST FS FLRST
6300FE 8771000	1,000 FT	23.000 LB	NATURAL	C	2 #18 FLRST FS FLRST

## ENGLISH MEASUREMENT VERSION

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6300FE 877500	500 FT	12.000 LB	NATURAL	2 #18 FLRST FS FLRST
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**Notes:**

C = CRATE REEL PUT-UP.

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