

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 (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)	Direction	Twists (twist/m)
76.200	Left hand	13.124

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 4.115 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 31.847 Kg/Km

Max. Recommended Pulling Tension: 253.547 N

Min. Bend Radius/Minor Axis: 41.275 mm

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

NEC/(UL) Specification: CMP

NEC Articles: 800

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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

MIL Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5300FE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

229.67

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

413.406

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

52.168

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



METRIC 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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