

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	Solid	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

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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
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/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
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METRIC MEASUREMENT VERSION

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10C Temperature Rise	5 Amps per conductor @ 25°C ambient
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300FE 008U1000	305 MT	10.433 KG	GRAY		2 #18 FLRST FS FLRST
6300FE 009U1000	305 MT	10.433 KG	WHITE		2 #18 FLRST FS FLRST
6300FE 009U250	76 MT	3.062 KG	WHITE		2 #18 FLRST FS FLRST
6300FE 009U500	152 MT	5.443 KG	WHITE		2 #18 FLRST FS FLRST
6300FE 010U1000	305 MT	10.433 KG	BLACK		2 #18 FLRST FS FLRST
6300FE 877U1000	305 MT	10.433 KG	NATURAL		2 #18 FLRST FS FLRST
6300FE 877U500	152 MT	5.443 KG	NATURAL		2 #18 FLRST FS FLRST
6300FE 8771000	305 MT	10.433 KG	NATURAL	C	2 #18 FLRST FS FLRST
6300FE 877500	152 MT	5.443 KG	NATURAL		2 #18 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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