

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



For more Information  
please call

1-800-Belden1



### Description:

18 AWG bare copper conductors, Flamarrest® insulation, conductors cabled, Overall Beldfoil® tape shield (foil side out) and drain wire, Flamarrest® jacket with ripcord, sequential footage marking every two feet.

### 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

#### 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 Cabling

**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 (Install)/Minor Axis:** 41.275 mm

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

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
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

#### 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:

Current  
5 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## METRIC MEASUREMENT VERSION

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

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 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.

Revision Number: 2    Revision Date: 06-02-2008

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