

## 6100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CL2P, 2-14 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	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	0.279

#### 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
22	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)	Twists (twist/m)
69.849725	14.4364

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White

**Overall Nominal Diameter:** 5.588 mm

### Mechanical Characteristics (Overall)

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 68.904 Kg/Km

**Max. Recommended Pulling Tension:** 557.804 N

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Min. Bend Radius/Minor Axis:	58.420 mm
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2P
NEC Articles:	725
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
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#### Suitability

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

Plenum (Y/N):	Yes
Non-Plenum Number:	5100FE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.475745

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
278.885

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

Capacitance (pF/m)
501.993

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
8.33374

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
32.810

#### Max. Operating Voltage - UL:

Voltage
150 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

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

### 6100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

6100FE 877U1000	305 MT	22.226 KG	NATURAL		2 #14 FLRST FS FLRST
6100FE 8771000	305 MT	23.133 KG	NATURAL	C	2 #14 FLRST FS FLRST
6100FE 877500	152 MT	11.340 KG	NATURAL		2 #14 FLRST FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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