

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
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NEC Articles:	725
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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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
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Non-Plenum Number:	5100FE
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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

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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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