

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.011

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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
2.75	4.4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.220 in.

Mechanical Characteristics (Overall)

UL Temperature Rating:	75°C
Bulk Cable Weight:	46.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	125.400 lbs.
Min. Bend Radius/Minor Axis:	2.300 in.

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

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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

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5100FE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.145

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
85

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
153

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.54

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.000

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
6100FE 877U1000	1,000 FT	49.000 LB	NATURAL		2 #14 FLRST FS FLRST
6100FE 8771000	1,000 FT	51.000 LB	NATURAL	C	2 #14 FLRST FS FLRST
6100FE 877500	500 FT	25.000 LB	NATURAL		2 #14 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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