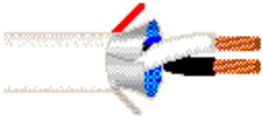


Part Number: 6100FE

Security & Sound, 2 Conductor 14 AWG, BC, O/A Foil, CMP



Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
14	19x27	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	14 AWG

Insulation

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.011 in

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	22	Solid

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.22 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.54 Ohm/1000ft	10 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

85 pF/ft	153 pF/ft
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Shielding:	Multiple or Specialty
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Inductance

Nominal Inductance

0.145 µH/ft

Current

Element	Max. Recommended Current [A]
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10C Temperature Rise	8 Amps per conductor @ 25°C ambient
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Voltage

UL Voltage Rating

150 V RMS

Temperature Range

UL Temp Rating:	75°C
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Mechanical Characteristics

Bulk Cable Weight:	46.3 lbs/1000ft
Max Recommended Pulling Tension:	125.4 lbs
Min Bend Radius/Minor Axis:	2.3 in

Standards

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

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5100FE
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Variants

Item #	Color	Footnote
6100FE 8771000	Natural	C
6100FE 877500	Natural	
6100FE 877U1000	Natural	

Footnote:	C - CRATE REEL PUT-UP.
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