




**Product:** [6100UE](#) 

Security & Sound, 2 Conductor 14 AWG BC, CL2P

## Product Description

Security & Commercial Audio Cable, 2 Conductor 14 AWG stranded (19x27) bare copper conductors with Flamarrest® insulation, CL2P, Flamarrest® jacket with ripcord.

## Technical Specifications

### Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	19x27	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.011 in

#### Color Chart

Number	Color
1	Black
2	White

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.226 in	0.015 in	Yes

### Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	3.2 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
2.53 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
36 pF/ft

Inductance

Nominal Inductance
0.145 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 8 A

Voltage

UL Voltage Rating
150 V RMS

Temperature Range

Installation Temp Range:	0°C To +75
UL Temp Rating:	75°C
Operating Temp Range:	-10°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	38 lbs/1000ft
Max Recommended Pulling Tension:	95 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	725
NEC/(UL) Specification:	CL2P
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5100UH
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Variants

Item #	Color	Putup Type	Length	UPC
6100UE 010500	Black	Reel	500 ft	612825173397
6100UE 010Z500	Black	ReelTuff Box	500 ft	612825173410
6100UE 010U1000	Black	UnReel	1,000 ft	612825423423

6100UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825445371
6100UE 008U1000	Gray	UnReel	1,000 ft	612825423409
6100UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825173373
6100UE 0081000	Gray	Reel	1,000 ft	612825173366
6100UE 877500	Natural	Reel	500 ft	612825173427
6100UE 8771000	Natural	Reel	1,000 ft	612825339519
6100UE 877U1000	Natural	UnReel	1,000 ft	612825423430
6100UE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825173434
6100UE 8775000	Natural	Reel	5,000 ft	612825339502
6100UE 009U250	White	UnReel	250 ft	612825377047
6100UE 009U500	White	UnReel	500 ft	612825423416
6100UE 009U500	White	UnReel	500 ft	612825423416
6100UE 009Z500	White	ReelTuff Box	500 ft	612825173403
6100UE 009U1000	White	UnReel	1,000 ft	612825173380
6100UE 009Z1000	White	ReelTuff Box	1,000 ft	612825445364
6100UE 004U1000	Yellow	UnReel	1,000 ft	612825416616

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.281 Revision Date: 05-11-2020
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