



**Part Number: 6300UE**

Security & Sound, 2 Conductor 18 AWG BC, Plenum

## Product Description

Security & Commercial Audio Cable, 2 Conductor 18 AWG stranded (7x26) bare copper conductors with Flamarrest® insulation, Plenum, 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
18	7x26	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	18 AWG

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.008 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.154 in	0.015 in	Yes

### Construction and Dimensions

#### Cabling

Lay Length	Twists
3.5 in	3.4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
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34 pF/ft
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Shielding:	Unshielded
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#### Inductance

##### Nominal Inductance

0.15 µH/ft
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#### Current

##### Max. Recommended Current [A]

Per conductor @ 25°C: 5 A
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#### Voltage

##### UL Voltage Rating

300 V RMS
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### Temperature Range

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

### Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	1.55 in

### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

### 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 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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### Part Number

Non-Plenum Number:	5300UE
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#### Variants

Item #	Color	Footnote
6300UE 0101000	Black	C
6300UE 0105000	Black	
6300UE 010C100	Black	
6300UE 010U1000	Black	
6300UE 010U250	Black	
6300UE 010U500	Black	

6300UE D151000	Blue	C
6300UE 0081000	Gray	C
6300UE 008U1000	Gray	
6300UE 008U500	Gray	
6300UE 0051000	Green, Dark	C
6300UE 3371000	Green, Light	C
6300UE 8771000	Natural	C
6300UE 877500	Natural	
6300UE 877U1000	Natural	
6300UE 877U500	Natural	
6300UE 0031000	Orange	C
6300UE 012U1000	Pink	
6300UE 0021000	Red	C
6300UE 0071000	Violet	C
6300UE 009C100	White	
6300UE 009U1000	White	
6300UE 009U250	White	
6300UE 009U500	White	
6300UE 0091000	White	C
6300UE 0041000	Yellow	C
6300UE 004U1000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.
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