




Product: [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
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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

Twists
3.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

Inductance

Nominal Inductance
0.15 µH/ft

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 5 A

Voltage

UL Voltage Rating
300 V RMS

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
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
ISO/IEC Flammability:	IEC 60332-1-2
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	UPC	Length	Footnote
6300UE 0101000	Black	612825175001	1,000 ft	C
6300UE 0105000	Black	612825174950	5,000 ft	
6300UE 010C100	Black	612825174967	100 ft	
6300UE 010U1000	Black	612825174974	1,000 ft	
6300UE 010U250	Black	612825174981	250 ft	
6300UE 010U500	Black	612825421795	500 ft	

6300UE 010Z1000	Black	612825435372	1,000 ft	
6300UE 010Z500	Black	612825175018	500 ft	
6300UE D151000	Blue	612825421719	1,000 ft	C
6300UE D15Z1000	Blue	612825175063	1,000 ft	
6300UE 0081000	Gray	612825174882	1,000 ft	C
6300UE 008U1000	Gray	612825174899	1,000 ft	
6300UE 008U500	Gray	612825421771	500 ft	
6300UE 008Z1000	Gray	612825350514	1,000 ft	
6300UE 005Z1000	Green	612825174875	1,000 ft	
6300UE 0051000	Green, Dark	612825421757	1,000 ft	C
6300UE 3371000	Green, Light	612825340225	1,000 ft	C
6300UE 8771000	Natural	612825175049	1,000 ft	C
6300UE 877500	Natural	612825340218	500 ft	
6300UE 877U1000	Natural	612825175032	1,000 ft	
6300UE 877U500	Natural	612825421818	500 ft	
6300UE 877Z1000	Natural	612825350477	1,000 ft	
6300UE 0031000	Orange	612825421733	1,000 ft	C
6300UE 003Z1000	Orange	612825174868	1,000 ft	
6300UE 012U1000	Pink	612825421801	1,000 ft	
6300UE 012Z1000	Pink	612825175025	1,000 ft	
6300UE 0021000	Red	612825421726	1,000 ft	C
6300UE 002Z1000	Red	612825350491	1,000 ft	
6300UE 0071000	Violet	612825421764	1,000 ft	C
6300UE 007Z1000	Violet	612825174905	1,000 ft	
6300UE 009C100	White	612825174929	100 ft	
6300UE 009U1000	White	612825174936	1,000 ft	
6300UE 009U250	White	612825174943	250 ft	
6300UE 009U500	White	612825421788	500 ft	
6300UE 0091000	White	612825174912	1,000 ft	C
6300UE 009Z1000	White	612825445357	1,000 ft	
6300UE 009Z500	White	612825174998	500 ft	
6300UE 0041000	Yellow	612825174851	1,000 ft	C
6300UE 004U1000	Yellow	612825421740	1,000 ft	
6300UE 004Z1000	Yellow	612825350507	1,000 ft	

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.277 Revision Date: 01-31-2020
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