



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

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)	18	7x26	BC - Bare Copper	2

Conductor Count: 2

Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.008 in

Color Chart

Number	Color
1	Black
2	Red

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®	0.154 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

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

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	Putup Type	Length	UPC
6300UE 010C100	Black	Coil	100 ft	612825174967
6300UE 010U250	Black	UnReel	250 ft	612825174981
6300UE 010U500	Black	UnReel	500 ft	612825421795
6300UE 010Z500	Black	ReelTuff Box	500 ft	612825175018

6300UE 0101000	Black	Reel	1,000 ft	612825175001
6300UE 010U1000	Black	UnReel	1,000 ft	612825174974
6300UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825435372
6300UE 0105000	Black	Reel	5,000 ft	612825174950
6300UE D151000	Blue	Reel	1,000 ft	612825421719
6300UE D15Z1000	Blue	ReelTuff Box	1,000 ft	612825175063
6300UE 008U500	Gray	UnReel	500 ft	612825421771
6300UE 0081000	Gray	Reel	1,000 ft	612825174882
6300UE 008U1000	Gray	UnReel	1,000 ft	612825174899
6300UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350514
6300UE 005Z1000	Green	ReelTuff Box	1,000 ft	612825174875
6300UE 0051000	Green, Dark	Reel	1,000 ft	612825421757
6300UE 3371000	Green, Light	Reel	1,000 ft	612825340225
6300UE 877500	Natural	Reel	500 ft	612825340218
6300UE 877U500	Natural	UnReel	500 ft	612825421818
6300UE 8771000	Natural	Reel	1,000 ft	612825175049
6300UE 877U1000	Natural	UnReel	1,000 ft	612825175032
6300UE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825350477
6300UE 0031000	Orange	Reel	1,000 ft	612825421733
6300UE 003Z1000	Orange	ReelTuff Box	1,000 ft	612825174868
6300UE 012U1000	Pink	UnReel	1,000 ft	612825421801
6300UE 012Z1000	Pink	ReelTuff Box	1,000 ft	612825175025
6300UE 0021000	Red	Reel	1,000 ft	612825421726
6300UE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350491
6300UE 0071000	Violet	Reel	1,000 ft	612825421764
6300UE 007Z1000	Violet	ReelTuff Box	1,000 ft	612825174905
6300UE 009C100	White	Coil	100 ft	612825174929
6300UE 009U250	White	UnReel	250 ft	612825174943
6300UE 009U500	White	UnReel	500 ft	612825421788
6300UE 009Z500	White	ReelTuff Box	500 ft	612825174998
6300UE 009U1000	White	UnReel	1,000 ft	612825174936
6300UE 0091000	White	Reel	1,000 ft	612825174912
6300UE 009Z1000	White	ReelTuff Box	1,000 ft	612825445357
6300UE 0041000	Yellow	Reel	1,000 ft	612825174851
6300UE 004U1000	Yellow	UnReel	1,000 ft	612825421740
6300UE 004Z1000	Yellow	ReelTuff Box	1,000 ft	612825350507

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.285 Revision Date: 05-11-2020
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