



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:	Plenum
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	TC - Tinned Copper	2

Total Number of Conductors:	2
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Insulation

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.009 in

Color Chart

Number	Color
1	Black
2	White

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®	0.158 in	0.015 in	Yes

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

Shielding:	No
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Construction and Dimensions

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Current

Max. Recommended Current [A]

Per conductor @ 25°C: 5 A

Inductance

Nominal Inductance

0.15 µH/ft

Voltage

UL Voltage Rating

300V RMS

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMP
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
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP

Flame Test

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262

Safety

UL Voltage Rating:	300 V RMS
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Mechanical Characteristics

Operating Temp Range:	0°C To +75°C
Bulk Cable Weight:	17(lbs/1000ft)
Max Recommended Pulling Tension:	45(lbs)
Min Bend Radius/Minor Axis:	1.75(in)

Temperature Range

UL Temp Rating:	75°C
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5300UH
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History

Variants

Item #	Color
6300UE 0101000	BLACK
6300UE 0105000	BLACK
6300UE 010C100	BLACK
6300UE 010U1000	BLACK
6300UE 010U250	BLACK
6300UE 010U500	BLACK
6300UE D151000	BLUE
6300UE 0081000	GRAY
6300UE 008U1000	GRAY
6300UE 008U500	GRAY
6300UE 0051000	GREEN, DARK
6300UE 3371000	GREEN, LIGHT
6300UE 8771000	NATURAL
6300UE 877500	NATURAL
6300UE 877U1000	NATURAL
6300UE 877U500	NATURAL
6300UE 0031000	ORANGE
6300UE 012U1000	PINK
6300UE 0021000	RED
6300UE 0071000	VIOLET
6300UE 009C100	WHITE
6300UE 009U1000	WHITE
6300UE 009U250	WHITE
6300UE 009U500	WHITE
6300UE 0091000	WHITE
6300UE 0041000	YELLOW
6300UE 004U1000	YELLOW

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Mouser Electronics

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