



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
AWG Size:			18

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

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
300V 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
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

Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	5300UE

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