

Part Number: 6301UE

Security & Sound, 3 Conductor 18 AWG BC, Plenum



Product Description

Security & Commercial Audio Cable, 3 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	3

Conductor Count:	3
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
3	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®	0.163 in	0.015 in	Yes

Construction and Dimensions

Cabling

Lay Length	Twists
3.25 in	3.7 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

34 pF/ft

Shielding: Unshielded

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	5 Amps per conductor @ 25°C ambient

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:	23.4 lbs/1000ft
Max Recommended Pulling Tension:	67.2 lbs
Min Bend Radius/Minor Axis:	1.625 in

Standards

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

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 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

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, 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:	5301UE
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Variants

Item #	Color	Footnote
6301UE 8771000	NATURAL	C
6301UE 877500	NATURAL	
6301UE 877U1000	NATURAL	

Footnote: C - CRATE REEL PUT-UP.

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