




Product: [6309UE](#) 

Security & Sound, #18-12c, BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 12-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	12

Conductor Count:	12
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Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.008 in

Color Chart

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow
Purple
Gray
Pink
Tan

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.287 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

32.5 pF/ft

Current

Max. Recommended Current [A]

3.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range:	0°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	83.9 lbs/1000ft
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Max. Pull Tension:	268.8 lbs
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Min Bend Radius/Minor Axis:	2.875 in
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Standards

NEC/(UL) Compliance:	CMP
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CEC/C(UL) Compliance:	CMP
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/96/EC (BFR):	Yes
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2012/19/EU (WEEE):	Yes
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EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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EU CE Mark:	Yes
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EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
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MII Order #39 (China RoHS):	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
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CSA Flammability:	FT6
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UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5309UE
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Variants

Item #	Color	UPC
6309UE 8771000	Natural	612825175667

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.216 Revision Date: 06-24-2020
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