



**Product:** [4309UE](#)

Security & Sound, 12 Conductor 18 AWG BC, LSZH

### Product Description

Security & Commercial Audio Cable, 12-18 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Commercial applications
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	7x26	BC - Bare Copper	1.22 mm	12

Conductor Count:	12
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##### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	1.5 mm	0.05 mm	0.2 mm

##### Color Chart

Number	Color
Wire 1	Black
Wire 2	Red
Wire 3	White
Wire 4	Green
Wire 5	Brown
Wire 6	Blue
Wire 7	Orange
Wire 8	Yellow
Wire 9	Purple
Wire 10	Gray
Wire 11	Pink
Wire 12	Turquoise

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	7.45 mm	0.4 mm	Provided under the sheath

#### Construction and Dimensions

##### Cabling

Description
12 wires twisted

#### Electrical Characteristics

## Conductor DCR

### Nominal Conductor DCR

21.3 Ohm/km

## Capacitance

### Nom. Capacitance Conductor to Conductor

100 pF/m

## Current

### Max. Recommended Current [A]

3.5 Amps per Conductor

## Voltage

### Voltage Rating [V]

300 V

## Temperature Range

Installation Temp Range:	-20°C To +70°C
Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-20°C To +70°C

## Mechanical Characteristics

Max. Pull Tension:	590 N
Min Bend Radius During Installation:	74.5 mm
Min Setting Radius:	37.25 mm

## Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

## Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	60%

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
4309UE.00100	Gray	Reel	100 m	8719605006776
4309UE.00500	Gray	Reel	500 m	8719605006783

## History

Update and Revision:	Revision Number: 0.173 Revision Date: 12-18-2020
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