



Product: [4301UE](#)

Security & Sound, 3 Conductor 18 AWG BC, LSZH, Eca

### Product Description

Security & Commercial Audio Cable, 3-18 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

### Technical Specifications

#### Product Overview

Suitable Applications:	Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	7x26	BC - Bare Copper	1.22 mm	3

Conductor Count:	3
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##### Insulation

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

##### Color Chart

Number	Color
Wire 1	Black
Wire 2	Red
Wire 3	White

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.3 mm	0.4 mm	Yes

Table Notes:	Ripcord provided under sheath
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#### Construction and Dimensions

##### Cabling

Description
3 wires twisted

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
21.3 Ohm/km

##### Capacitance

Nom. Capacitance Conductor to Conductor
65 pF/m

##### Current

**Max. Recommended Current [A]**

5 A

**Temperature Range**

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

**Mechanical Characteristics**

Max. Pull Tension:	130 N
Min. Bend Radius During Installation:	43 mm
Min Setting Radius:	21.5 mm

**Applicable Environmental and Other Programs**

Environmental Space:	Indoor
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**Flammability, LS0H, Toxicity Testing**

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

**Related Part Numbers****Variants**

Item #	Color	Put-Up Type	Length	EAN
4301UE.00500	Gray	Reel	500 m	8719605128508

**History**

Update and Revision:	Revision Number: 0.108 Revision Date: 01-11-2024
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