



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

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	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	7.45 mm	0.4 mm	Yes
Table Notes: Ripcord provided under 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 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:	590 N
Min. Bend Radius During Installation:	74.5 mm
Min Setting Radius:	37.25 mm

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor
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Flammability, LSOH, 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
4309UE.00100	Gray	Reel	100 m	8719605006776
4309UE.00500	Gray	Reel	500 m	8719605006783

History

Update and Revision:	Revision Number: 0.214 Revision Date: 08-24-2023
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