



**Product:** [4302UE](#) 

Security & Sound, 4 Conductor 18 AWG BC, LSZH, Eca

**Product Description**  
Security & Commercial Audio Cable, 4-18 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

**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	Nominal Diameter	No. of Conductors
18	7x26	BC - Bare Copper	1.22 mm	4

Conductor Count:	4
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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

**Outer Jacket**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.7 mm	0.4 mm	Yes

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

**Cabling**

Description
4 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]
4 A

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:	180 N
Min. Bend Radius During Installation:	47 mm
Min Setting Radius:	23.5 mm

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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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
4302UE.00100	Gray	Reel	100 m	8719605006646
4302UE.00500	Gray, RAL 7032	Reel	500 m	8719605006653

History

Update and Revision:	Revision Number: 0.212 Revision Date: 08-24-2023
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