



**Product:** [4002UE](#)

Life Cycle Status: Capability

Security & Sound, 4 Conductor 12 AWG BC, LSZH, Eca

**Product Description**

Security & Commercial Audio Cable, 4-12 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
12	19x25	BC - Bare Copper	2.3 mm	4
Conductor Count:		4		

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	3 mm	0.05 mm	0.35 mm

<b>Color Chart</b>	
Number	Color
Wire 1	Black
Wire 2	Red
Wire 3	White
Wire 4	Green

<b>Outer Jacket</b>		Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
		LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.2 mm	0.45 mm	Yes
Table Notes:		Ripcord provided under sheath			
Overall Nominal Diameter:		8.2 mm			

**Construction and Dimensions**

<b>Cabling</b>	
Description	4 wires twisted

<b>Electrical Characteristics</b>	
<b>Conductor DCR</b>	
Nominal Conductor DCR	5.2 Ohm/km
<b>Capacitance</b>	
Nom. Capacitance Conductor to Conductor	

65 pF/m
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Current

Max. Recommended Current [A]
9.6 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:	700 N
Min. Bend Radius During Installation:	82 mm
Min Setting Radius:	41 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%

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 3km for the first order. This product will have Grey as standard color and 305mt as standard put-ups. Additional options for colors and put-ups are available on special request. The estimated production lead time for the first order will be similar to the production lead time of 4102UE. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.7 Revision Date: 04-07-2025
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