



REPRESENTATIVE IMAGE

Product: [4100ULV](#)

Life Cycle Status: Capability

Security & Sound, 2 Conductor 14 AWG BC, LSZH, B2ca

Product Description

Security & Commercial Audio Cable, 2-14 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, LSZH jacket with ripcord, CPR B2ca

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
14	19x27	BC - Bare Copper	2.35 mm	2

Conductor Count:	2
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.35 mm	0.05 mm	0.28 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	White

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.75 mm	1.1 mm	Yes

Table Notes:	Ripcord provided under sheath
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Construction and Dimensions

Cabling

Description
2 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
8.3 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
270 pF/m

Current

Max. Recommended Current [A]

8 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: 200 N

Min. Bend Radius During Installation: 68 mm

Min Setting Radius: 34 mm

Standards

CPR Euroclass: B2ca-s1a,d1,a1

Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass B2ca

Suitability

Suitability - Indoor: Yes

Suitability - Non-Halogenated: Yes

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: 80%

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 Gray as standard color and 305mt or 500mt 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 4100ULV. Please liaise with your Belden representative for confirmation.

History

Update and Revision: Revision Number: 0.14 Revision Date: 06-19-2024

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