




Product: [4501UE](#) 

Security & Sound, 3 Conductor 22 AWG BC, LSZH, Eca

Product Description

Security & Commercial Audio Cable, 3-22 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
22	7x30	BC - Bare Copper	0.75 mm	3

Conductor Count:	3
------------------	---

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	1.07 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)	3.3 mm	0.4 mm	Yes

Table Notes:	Ripcord provided under sheath
--------------	-------------------------------

Construction and Dimensions

Cabling

Description
3 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
53 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
60 pF/m

Current

Max. Recommended Current [A]

2.8 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:	50 N
Min. Bend Radius During Installation:	33 mm
Min Setting Radius:	16.5 mm

Standards

CPR Euroclass:	Eca
----------------	-----

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
----------------------	------------------------

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
4501UE.00500	Gray	Reel	500 m	8719605007117

History

Update and Revision:	Revision Number: 0.307 Revision Date: 03-04-2025
----------------------	--

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.