



Product: 4503FE ☑

Security & Sound, 5 Conductor 22 AWG BC, LSZH, Shielded

Product Description

Security & Commercial Audio Cable, 5-22 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:				Intercom	/PA Systems, Sound/Audio Systems	
Phys	Physical Characteristics (Overall)					
Condu	conductor					
AWG	Stranding	Material	Nominal Diameter	No. of Conductors		
AWG	Stranding 7x30	Material BC - Bare Copper		No. of Conductors		

Insulation

l	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	
Wire 4	Green	
Wire 5	Brown	

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Таре	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	9 μm	TC - Tinned Copper	AWG24/7

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4 mm	0.4 mm	Yes
Table Notes:	R	tipcord provided under sheat	th

Construction and Dimensions

Cabling



Electrical Characteristics

Conductor DCR

Nominal Conductor DCR | Nominal Outer Shield DCR

54 Ohm/km	50 Ohm/km
54 Onin/kin	50 Onni/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
70 pF/m	130 pF/m

Current

Max. Recommended Current [A]
2.2 Amps per Conductor

Voltage

Voltage Rating [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:	85 N	
Min. Bend Radius During Installation:	40 mm	
Min Setting Radius:	20 mm	

Applicable Environmental and Other Programs

Environmental Space:	Indoor	

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%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
4503FE.00500	Gray	Reel	500 m	8719605007179

History

Update and Revision:	Revision Number: 0.263 Revision Date: 06-28-2024

© 2024 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.