

Product: 4500FLW

Security & Sound, 2 Conductor 22 AWG BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 2-22 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	2

Conductor Count:	2

Insulation

Type	Material	Nominal Diameter	Nominal Wall Thickness
Insulation	LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.07 mm	0.35 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	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)	5.2 mm	1.1 mm	Yes

Table Notes:	Ripcord provided under sheath

Construction and Dimensions

Cabling

Description
2 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
54 Ohm/km	54 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
150 pF/m	285 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:	40 N
Min. Bend Radius During Installation:	52
Min Setting Radius:	26 mm

Standards

CPR Euroclass:	Cca-s1a,d1,a1

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca

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%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
4500FLW.011000				
4500FLW.02500				
4500FLW.00500	Gray	Reel	500 m	8719605179661

History

Update and Revision:	Revision Number: 0.149 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.