



**Product:** [4543FE](#) 

Security & Sound, #22-4pr, BC, Shielded, LSZH

## Product Description

Security & Sound Cable, Riser-CMR, 4-22 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and LSZH jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls
------------------------	---

### Product Life Cycle

Life Cycle:	Active - Product is available
-------------	-------------------------------

### Construction Details

#### Conductor

No. of Elements	Size	Stranding	Material
4	22 AWG	7x30	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.2 mm (0.0079 in)	1.07 mm (0.0421 in)	Black & Red, Black & White, Black & Green, Black & Blue

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.5 mm (0.020 in)	5.8 mm (0.23 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
----------------------------	-------------------------------

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
54 Ohm/km (16 Ohm/1000ft)	105 pF/m (32.0 pF/ft)	180 pF/m (55 pF/ft)	2 A

Nom Outer Shield DCR@Cond DCR1-cn:	42 Ohm/km (13 Ohm/1000ft)
---------------------------------------	---------------------------

### Mechanical Characteristics

#### Temperature

Operating	Installation	Storage
-20°C To +70°C	-20°C To +70°C	-30°C to +70°C

#### Bend Radius

Stationary Min.	Installation Min.
29 mm (1.1 in)	58 mm (2.3 in)

Max. Pull Tension:	200 N (45 lbf)
--------------------	----------------

## Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Indoor, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 $\mu$ S/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
UK Regulation Compliance:	UKCA Mark

## History

Update and Revision:	Revision Number: 0.105 Revision Date: 11-28-2025
----------------------	--

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	EAN
4543FE.00500	Gray	Reel	500 m	8719605181190

© 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.