



**Product:** [4562FE](#)

Security & Sound, 3 Pair 22 AWG sol BC, LSZH, Shielded

## Product Description

Security & Commercial Audio Cable, 3-22 AWG solid bare copper pairs with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Security/Intercom/PA/Sound/Audio Systems, Power-Limited Controls
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	Solid	BC - Bare Copper	0.64 mm	3

Conductor Count:	6
Total Number of Pairs:	3

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PE - Polyethylene	1.07 mm	0.05 mm	0.2 mm

#### Color Chart

Number	Color
Pair 1	Black & Red
Pair 2	Black & White
Pair 3	Black & Green

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.9 mm	0.4 mm	Provided under the sheath

## Construction and Dimensions

### Cabling

Description
3 pairs twisted

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
52 Ohm/km	46 Ohm/km

### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
100 pF/m	180 pF/m

#### Current

Max. Recommended Current [A]
2 A

#### Voltage

Voltage Rating [V]
300 V

#### Temperature Range

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

#### Mechanical Characteristics

Max. Pull Tension:	100 N
Min Bend Radius During Installation:	49 mm
Min Setting Radius:	24.5 mm

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

#### Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	IEC 61034-2

#### Part Number

##### Variants

Item #	Color	Putup Type	Length	EAN
4562FE.00500	Gray	Reel	500 m	8719605007360

#### History

Update and Revision:	Revision Number: 0.177 Revision Date: 10-05-2020
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