

**Product:** [4101FE](#) 

Security & Sound, 3 Conductor 14 AWG BC, LSZH, Shielded, Eca



REPRESENTATIVE IMAGE

## Product Description

Security & Commercial Audio Cable, 3-14 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

## Technical Specifications

### Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Control Systems
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
14	19x27	BC - Bare Copper	1.8 mm	3

Conductor Count:	3
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#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	2.34 mm	0.05 mm	0.28 mm

#### Color Chart

Number	Color
Wire 1	Black
Wire 2	White
Wire 3	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	AWG22/7

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.25 mm	0.4 mm	Yes

Table Notes:	Ripcord provided under sheath
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### Construction and Dimensions

#### Cabling

Description
3 wires twisted

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
8.3 Ohm/km	15.4 Ohm/km

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
250 pF/m	450 pF/m

## Current

Max. Recommended Current [A]
8 A

## 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:	300 N
Min. Bend Radius During Installation:	62.5 mm
Min Setting Radius:	31.25 mm

## Standards

CPR Euroclass:	Eca
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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## 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
4101FE.00500	Gray	Reel	500 m	8719605006257

## History

Update and Revision:	Revision Number: 0.239 Revision Date: 12-19-2022
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