



**Product:** [4343FE](#)

Security & Sound, 4 Pair 18 AWG, BC, Shielded, LSZH, Eca

## Product Description

Security & Commercial Audio Cable, 4-18 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

## Technical Specifications

### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	BC - Bare Copper	1.22 mm	4

Conductor Count:	8
Total Number of Pairs:	4

#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	1.5 mm	0.05 mm	0.2 mm

#### Color Chart

Number	Color
Pair 1	Black & Red
Pair 2	Black & White
Pair 3	Black & Green
Pair 4	Black & Blue

#### 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)	7.50 mm	0.55 mm	Yes

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

#### Cabling

Description
4 pairs twisted

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
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21.3 Ohm/km	21.9 Ohm/km
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#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
125 pF/m	224 pF/m

#### Current

Max. Recommended Current [A]
3.5 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:	320 N
Min. Bend Radius During Installation:	75 mm
Min Setting Radius:	38 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
4343FE.00500	Gray	Reel	500 m	8719605127228

#### History

Update and Revision:	Revision Number: 0.101 Revision Date: 06-28-2024
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