



**Product:** [4345FE](#)

Security & Sound, 6 Pairs 18 AWG BC, LSZH, Shielded, Eca

### Product Description

Security & Commercial Audio Cable, 6-18 AWG stranded bare copper pairs with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

### Technical Specifications

#### Product Overview

Suitable Applications:	Commercial applications
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	BC - Bare Copper	1.22 mm	6

Conductor Count:	12
Total Number of Pairs:	6

##### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	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
Pair 5	Black & Yellow
Pair 6	Black & Brown

##### 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	AWG24/7

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.85 mm	0.4 mm	Provided under the sheath

#### Construction and Dimensions

##### Cabling

Description
6 pairs twisted

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
21.3 Ohm/km	21.6 Ohm/km

#### 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 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:	610 N
Min Bend Radius During Installation:	88.5 mm
Min Setting Radius:	44.25 mm

#### Standards

CPR Euroclass:	Eca
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#### Applicable Environmental and Other Programs

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

#### Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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
4345FE.00500	Gray	Reel	500 m	8719605006868

#### History

Update and Revision:	Revision Number: 0.187 Revision Date: 10-06-2020
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