



**Product:** [4300FE](#) 

Security & Sound, 2 Conductor 18 AWG BC, LSZH, Shielded, Eca

## Product Description

Security & Commercial Audio Cable, 2-18 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
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	7x26	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.2 mm (0.0079 in)	1.5 mm (0.059 in)	Black, Red

#### 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)	0.4 mm (0.016 in)	4.15 mm (0.163 in)	Yes

Outer Jacket1 Table Notes: Ripcord provided under sheath

Overall Cable Diameter (Nominal): 4.15 mm (0.163 in)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	21.3 Ohm/km (6.49 Ohm/1000ft)	110 pF/m (34 pF/ft)	200 pF/m (61 pF/ft)	5 Amps per Conductor

Nom Outer Shield DCR: 23.6 Ohm/km (7.19 Ohm/1000ft)

#### Voltage

Voltage Rating
300 V

### 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.
20.75 mm (0.8169 in)	41.5 mm (1.63 in)

Max. Pull Tension: 90 N (20 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, CPR UKCA Class: 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 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3, IEC 61034-2 - Smoke Density Min. Transmittance = 60%
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

## History

Update and Revision: Revision Number: 0.575 Revision Date: 04-13-2026

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	EAN
4300FE.00100	Gray, RAL 7032	Reel	100 m	8719605006486
4300FE.00500	Gray, RAL 7032	Reel	500 m	8719605006493
4300FE.K0500	Gray, RAL 7032	Reel	500 m	8719605006509
4300FE.02500	Green	Reel	500 m	8719605232700
4300FE.K1500	Purple	Reel	500 m	8719605202376

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