



REPRESENTATIVE IMAGE

**Product:** [4100FLW](#)

Security & Sound, 2 Conductor 14 AWG BC, LSZH, Shielded, Cca

## Product Description

Security & Commercial Audio Cable, 2-14 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Cca

## Technical Specifications

### Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio 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	2

Conductor Count:	2
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#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.35 mm	0.05 mm	0.28 mm

#### Color Chart

Number	Color
Wire 1	Black
Wire 2	White

#### 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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.8 mm	1.1 mm

## Construction and Dimensions

### Cabling

Description
2 wires twisted

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
8.3 Ohm/km	11.3 Ohm/km

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

250 pF/m	450 pF/m
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#### 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:	200 N
Min. Bend Radius During Installation:	68 mm
Min Setting Radius:	34 mm

#### Standards

CPR Euroclass:	Cca-s1a,d1,a1
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#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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#### Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes

#### Flammability, LSOH, 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:	80%

#### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
4100FLW.00500	Gray	Reel	500 m	8719605177582

#### History

Update and Revision:	Revision Number: 0.54 Revision Date: 04-08-2022
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