



Product: [4442FLW](#)

Security & Sound, 3 Pair 20 AWG, BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 3-20 AWG stranded bare copper pairs 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, Control Systems
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Physical Characteristics (Overall)

Conductor		
AWG	Material	No. of Pairs
20	BC - Bare Copper	3
Conductor Count:		6

Insulation		
Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.60 mm	0.05 mm

Color Chart	
Number	Color
Pair 1	Black & Red
Pair 2	Black & White
Pair 3	Black & Green

Outer Shield					
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	AWG24/7

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.2 mm	1.1 mm	Yes

Table Notes:	Ripcord provided under sheath
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Construction and Dimensions

Cabling
Description
3 pairs twisted

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
34 Ohm/km	36 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]
2.8 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:	180 N
Min. Bend Radius During Installation:	82 mm
Min Setting Radius:	41 mm

Standards

CPR Euroclass:	Cca-s1,d1,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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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%

History

Update and Revision:	Revision Number: 0.21 Revision Date: 03-04-2025
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