



Product: [4300FLV](#)

Life Cycle Status: Capability

Security & Sound, 2 Conductor 18 AWG BC, LSZH, Shielded, B2ca

Product Description

Security & Commercial Audio Cable, 2-18 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR B2ca

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Control Systems
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Construction Details

Conductor

Size	Stranding	Material
18	7x26	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.25 mm (0.0098 in)	1.72 mm (0.0677 in)

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)	1.0 mm (0.039 in)	5.7 mm (0.22 in)	Yes

Overall Cable Diameter (Nominal):	5.70 mm (0.224 in)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
21.3 Ohm/km (6.49 Ohm/1000ft)	158 pF/m (48.2 pF/ft)	295 pF/m (89.9 pF/ft)

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-20°C To +70°C	-20°C To +70°C	-30°C To +70°C

Bend Radius

Installation Min.
57 mm (2.2 in)

Max. Pull Tension:	90 N (20 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass B2ca, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: B2ca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 3km for the first order. This product will have Gray as standard color and 305mt or 500mt as standard put-ups. Additional options for colors and put-ups are available on special request. The estimated production lead time for the first order will be similar to the production lead time of 4300FLW. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.11 Revision Date: 03-04-2025
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