



Product: [4200FLW](#)

Life Cycle Status: Capability

Security & Sound, 2 Conductor 16 AWG BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 2-16 AWG stranded bare copper conductors with FRNC 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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Construction Details

Conductor

Size	Stranding	Material
16	19x29	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.2 mm (0.0079 in)	1.85 mm (0.0728 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)	1.0 mm (0.039 in)	5.7 mm (0.22 in)	Yes

Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	5.7 mm (0.22 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
13.1 Ohm/km (3.99 Ohm/1000ft)	150 pF/m (46 pF/ft)	270 pF/m (82 pF/ft)	6.25 Amps per Conductor

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

Installation Min.

57 mm (2.2 in)

Max. Pull Tension: 200 N (45 lbf)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Cca, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
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 μ S/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS) which is subject to modification throughout the prototyping phase. The minimum business quantity to offer is 6km 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 4200ULW plus extra 6-7 weeks. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.5 Revision Date: 06-19-2025
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