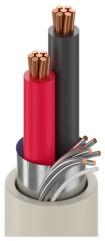
Belden



Product: 4300FLW

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

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 Cca

Technical Specifications

Product Overview

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

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)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.25 mm (0.0098 in)	1.72 mm (0.0677 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

Outer Jacket1 Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	5.70 mm (0.224 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)	158 pF/m (48.2 pF/ft)	295 pF/m (89.9 pF/ft)	5 Amps per Conductor

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

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.
28 mm (1.1 in)	57 mm (2.2 in)

Max. Pull Tension:	90 N (20 lbf)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Cca, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance - UL 1581 sec 1200 Black Only
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-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, 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: 0.13 Revision Date: 03-09-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4300FLW.00500	Gray	Reel	500 m	8719605214881
4300FLW.02305	Orange	Reel	305 m	8719605233004

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