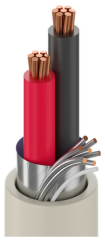
Belden



Product: 4300FE

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

Product Description

Security & Commercial Audio Cable, 2-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

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

Product Life Cycle

Life Cycle:	Active - Product is available
Discontinuation Announcement Date:	2024-04-29

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)	PP - Polypropylene	0.2 mm (0.0079 in)	1.5 mm (0.059 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)	0.4 mm (0.016 in)	4.15 mm (0.163 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	4.15 mm (0.163 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)	110 pF/m (34 pF/ft)	200 pF/m (61 pF/ft)	5 Amps per Conductor

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

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

Stationary Min.	Installation Min.
20.75 mm (0.8169 in)	41.5 mm (1.63 in)

Max. Pull Tension:	90 N (20 lbf)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Indoor, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
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 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: 0.584 Revision Date: 08-19-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4300FE.00100	Gray, RAL 7032	Reel	100 m	8719605006486
4300FE.00500	Gray, RAL 7032	Reel	500 m	8719605006493
4300FE.K0500	Gray, RAL 7032	Reel	500 m	8719605006509
4300FE.02500	Green	Reel	500 m	8719605232700
4300FE.K1500	Purple	Reel	500 m	8719605202376

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