Belden



Product: 4201FE

Security & Sound, 3 Conductor 16 AWG BC, LSZH, Shielded, Eca

Product Description

Security & Commercial Audio Cable, 3-16 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, Control Systems

Construction Details

Conductor

Size	Stranding	Material
16 AWG	19x29	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.2 mm (0.0079 in)	1.8 mm (0.071 in)	Black, Red, White

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)	5 mm (0.20 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	5 mm (0.20 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)	120 pF/m (37 pF/ft)	220 pF/m (67 pF/ft)	6.25 Amps per Conductor

Nom Outer Shield DCR:	15.4 Ohm/km (4.69 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

Installation Min.
50 mm (2.0 in)

Max. Pull Tension:	250 N (56 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
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 Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.358 Revision Date: 07-23-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4201FE.00500	Gray	Reel	500 m	8719605006394
4201FE.K0500	Gray	Reel	500 m	8719605006400

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