

Product: 4302FE

Security & Sound, 4 Conductor 18 AWG BC, LSZH, Shielded, Eca

Product Description

Security & Commercial Audio Cable, 4-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment

Construction Details

Conductor

Size	Stranding	Material
18	7x26	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.2 mm (0.0079 in)	1.5 mm (0.059 in)	Black, Red, White, Green

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)	4.8 mm (0.19 in)	Yes

Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	4.8 mm (0.19 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
21.3 Ohm/km (6.49 Ohm/1000ft)	70 pF/m (21 pF/ft)	150 pF/m (46 pF/ft)	3.5 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.
48 mm (1.9 in)

Max. Pull Tension:	170 N (38 lbf)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
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 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.509 Revision Date: 03-04-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4302FE.00100	Gray	Reel	100 m	8719605006592
4302FE.K0100	Gray	Reel	100 m	8719605183682
4302FE.001000	Gray	Reel	1,000 m	8719605006608
4302FE.K01000	Gray	Reel	1,000 m	8719605006622
4302FE.00500	Gray, RAL 7032	Reel	500 m	8719605006615
4302FE.K0500	Gray, RAL 7032	Reel	500 m	8719605006639
4302FE.K1500	Purple	Reel	500 m	8719605202307

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