

Product: 4100UE

Security & Sound, 2 Conductor 14 AWG BC, LSZH, Eca

Product Description

Security & Commercial Audio Cable, 2-14 AWG stranded bare copper conductors with polypropylene insulation, 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
14	19x27	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.28 mm (0.011 in)	2.34 mm (0.0921 in)	Black, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.4 mm (0.016 in)	5.55 mm (0.219 in)	Yes

Table Notes:	Ripcord provided under sheath
Overall Cable Diameter (Nominal):	5.55 mm (0.219 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
8.3 Ohm/km (2.5 Ohm/1000ft)	270 pF/m (82 pF/ft)	8 A

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.
55.5 mm (2.19 in)

Max. Pull Tension:	60 N (13 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 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.327 Revision Date: 03-04-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4100UE.00100	Gray	Reel	100 m	8719605006219
4100UE.00305	Gray	Reel	305 m	8719605221506
4100UE.00500	Gray	Reel	500 m	8719605006226
4100UE.02305	Orange	Reel	305 m	8719605192462
4100UE.02500	Orange	Reel	500 m	8719605192455
4100UE.01500	White	Reel	500 m	8719605006233

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