



Product: [4345UE](#) 

Life Cycle Status: Capability

Security & Sound, 6 Pairs 18 AWG BC, LSZH, Eca

Product Description

Security & Commercial Audio Cable, 6-18 AWG stranded bare copper pairs with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

Suitable Applications:	Commercial applications
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Product Life Cycle

Life Cycle:	Capability - the product is not yet standardly available for orders but can be manufactured
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Construction Details

Conductor

Element	Size	Stranding	Material
Pair(s)	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, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.4 mm (0.016 in)	8.7 mm (0.34 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
21.3 Ohm/km (6.49 Ohm/1000ft)	125 pF/m (38.1 pF/ft)	3.5 Amps per Conductor

Mechanical Characteristics

Temperature

Operating	Storage
-20°C To +70°C	-30°C to +70°C

Bend Radius

Installation Min.
87 mm (3.4 in)

Max. Pull Tension:	610 N (140 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Cca
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Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CEC / C(UL) Compliance:	.
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 , IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 3km for the first order. This product will have Gray as standard color and 305mt as standard put-ups. Additional options for colors and put-ups are available on special request. The estimated production lead time for the first order will be similar to the production lead time of 4345FE. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.2 Revision Date: 08-04-2026
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