



Product: [4502ULY](#) 

Life Cycle Status: Capability

Security & Sound, 4 Conductor 22 AWG BC, LSZH Dca

Product Description

Security & Commercial Audio Cable, 4-22 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Dca

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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.2 mm (0.0079 in)	1.07 mm (0.0421 in)	Black, Red, White, Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.4 mm (0.016 in)	3.6 mm (0.14 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	53 Ohm/km (16 Ohm/1000ft)	80 pF/m (24 pF/ft)	4.0 Amps per Conductor

Mechanical Characteristics

Temperature

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

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Dca-s1,d2,a1
ISO/IEC Compliance:	IEC 61034-2
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 = 80%

UK Regulation Compliance:	UKCA Mark
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Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS) which is subject to modification throughout the prototyping phase. The minimum business quantity to offer is 6km for the first order. This product will have Grey as standard color and 305mt or 500mt 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 4502UE plus extra 6-7 weeks. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.6 Revision Date: 06-24-2026
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