Belden



Product: 4100ULW

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

Product Description

Security & Commercial Audio Cable, 2-14 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Construction Details

Conductor

Size	Stranding	Material
14	19x27	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.28 mm (0.011 in)	2.35 mm (0.0925 in)	Black, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.1 mm (0.043 in)	6.75 mm (0.266 in)	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
8.3 Ohm/km (2.5 Ohm/1000ft)	130 pF/m (40 pF/ft)	8 A

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.
68 mm (2.7 in)

Max. Pull Tension:	200 N (45 lbf)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Cca, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance - UL 1581 sec 1200 Black Only
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-s1a,d1,a1

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%

History

Update and Revision:	Revision Number: 0.185 Revision Date: 03-09-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4100ULW.00500	Gray	Reel	500 m	8719605179913
4100ULW.02305	Orange	Reel	305 m	8719605232397
4100ULW.02500	Orange	Reel	500 m	8719605230782
4100ULW.01305	White	Reel	305 m	8719605232595

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