Product: 4000ULW

Life Cycle Status: Capability

Security & Sound, 4 Conductor 12 AWG BC, LSZH, Cca

Product Description

Security & Commercial Audio Cable, 2-12 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, Control Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
12	19x25	BC - Bare Copper	2

Conductor Count:	2

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.0 mm	0.05 mm	0.2 mm

Color Chart

Color
Black
White

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.2 mm	1.1 mm	Yes

Table Notes:	Ripcord provided under sheath

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.2 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
105 pF/m

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-20°C To +70°C

Storage Temperature Range:	-30°C To +70°C

Mechanical Characteristics

Max. Pull Tension:	350 N
Min. Bend Radius During Installation:	82 mm
Min Setting Radius:	41 mm

Standards

CPR Euroclass:	Cca-s1,d1,a1

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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:	60%

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 3km for the first order. This product will have Gray 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 4000UE plus extra 6-7 weeks. Please liaise with your Belden representative for confirmation.

History

Update and Revision:	Revision Number: 0.5 Revision Date: 01-24-2025