



Product: [4T01FE](#) 

Life Cycle Status: Capability

Security & Sound, 3 Conductor 10 AWG BC, shielded, LSZH

Product Description

Security & Commercial Audio Cable, 3-10 AWG stranded bare copper conductors, shielded + drainwire with PP insulation, LSZH jacket with ripcord,

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Control Systems
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
10	65x28	BC - Bare Copper	3

Conductor Count:	3
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	4.0 mm	0.05 mm	0.5 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	White
Wire 3	Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	AWG22/8

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.6 mm	1.2 mm	Yes

Outer Jacket1 Table Notes:	Ripcord provided under sheath
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Construction and Dimensions

Cabling

Description
3 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
3.2 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
100 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
Operating Temperature Range:	-20°C To +70°C

Mechanical Characteristics

Maximum Recommended Pulling Tension:	750 N
Minimum Bend Radius During Installation:	116 mm
Min Setting Radius:	58 mm

Flammability, LS0H, Toxicity Testing

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

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 4T01ULW. Please liaise with your Belden representative for confirmation
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History

Update and Revision:	Revision Number: 0.11 Revision Date: 07-23-2026
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