



Product: [4500FLW](#) 

Security & Sound, 2 Conductor 22 AWG BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 2-22 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

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

Conductor

Size	Stranding	Material
22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.35 mm (0.014 in)	1.45 mm (0.0571 in)	Black, Red

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.1 mm (0.043 in)	5.2 mm (0.20 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	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
54 Ohm/km (16 Ohm/1000ft)	150 pF/m (46 pF/ft)	285 pF/m (86.9 pF/ft)	2.8 Amps per Conductor

Nom Outer Shield DCR:	54 Ohm/km (16 Ohm/1000ft)
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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.
52

Max. Pull Tension:	40 N (9.0 lbf)
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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: 0.188 Revision Date: 03-09-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4500FLW.011000	Blue	Reel	1,000 m	8719605201515
4500FLW.00500	Gray	Reel	500 m	8719605179661
4500FLW.04305	Orange	Reel	305 m	8719605232991
4500FLW.02500	Orange	Reel	500 m	8719605228338
4500FLW.03305	White	Reel	305 m	8719605232243

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