



Product: [4502FLW](#) 

Security & Sound, 4 Conductor 22 AWG BC, BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 4-22 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shield and LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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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, White, Green

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.1 mm (0.043 in)	5.9 mm (0.23 in)

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)	105 pF/m (32.0 pF/ft)	185 pF/m (56.4 pF/ft)	2.2 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.
59 mm (2.3 in)

Max. Pull Tension:	80 N (18 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
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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%
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.177 Revision Date: 03-09-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4502FLW.011000	Blue	Reel	1,000 m	8719605201522
4502FLW.00500	Gray	Reel	500 m	8719605179708
4502FLW.02305	ORANGE	Reel	305 m	8719605232403
4502FLW.02500	ORANGE	Reel	500 m	8719605228307
4502FLW.03500	White	Reel	500 m	8719605240071

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