



Product: [4304FLW](#) 

Security & Sound, 6 Conductor 18 AWG BC, BC, LSZH, Shielded, Cca

Product Description

Security & Commercial Audio Cable, 6-18 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

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.35 mm (0.014 in)	1.72 mm (0.0677 in)	Black, Red, White, Green, Brown, Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.0 mm (0.039 in)	7.4 mm (0.29 in)	Yes

Outer Jacket1 Table Notes: Ripcord provided under sheath	
Overall Cable Diameter (Nominal):	7.4 mm (0.29 in)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	21.3 Ohm/km (6.49 Ohm/1000ft)	125 pF/m (38.1 pF/ft)	224 pF/m (68.3 pF/ft)	3.5 Amps per Conductor

Nom Outer Shield DCR:	23.6 Ohm/km (7.19 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

Stationary Min.	Installation Min.
38 mm (1.5 in)	74 mm (2.9 in)

Max. Pull Tension:	280 N (63 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
CENELEC Compliance:	EN 50290-2-20
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, EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.171 Revision Date: 03-09-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4304FLW.01500	Blue	Reel	500 m	8719605201508
4304FLW.00500	Gray	Reel	500 m	8719605179654
4304FLW.02305	White	Reel	305 m	8719605232236

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