



Product: [4504FE](#) 

Security & Sound, 6 Conductor 22 AWG BC, LSZH, Shielded, Eca

Product Description

Security & Commercial Audio Cable, 6-22 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

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	22 AWG	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.2 mm (0.0079 in)	1.07 mm (0.0421 in)	Black, Red, White, Green, Brown, Blue

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)	0.4 mm (0.016 in)	4.4 mm (0.17 in)	Yes

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)	70 pF/m (21 pF/ft)	130 pF/m (40 pF/ft)	2 Amps per Conductor

Nom Outer Shield DCR: 50 Ohm/km (15 Ohm/1000ft)

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.
44 mm (1.7 in)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	84 lbs/1000ft (130 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
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 = 60%
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.539 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
4504FE.00100	Gray	Reel	100 m	8719605007186
4504FE.00500	Gray	Reel	500 m	8719605007193
4504FE.K0500	Gray	Reel	500 m	8719605007209

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