



Product: [5000FE](#) 

Security & Sound, 2 Conductor 12 AWG, BC, O/A Foil, CL3R-FPLR

Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-12 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Fire Alarm Systems (Red only), Noisy Environment
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	12 AWG	19x25	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.011 in (0.28 mm)	0.113 in (2.87 mm)	Black, White

Inner Shield

Drainwire Type
20 AWG (Solid) TC

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.264 in (6.71 mm)	Yes

Overall Cable Diameter (Nominal):	0.264 in (6.71 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	1.6 Ohm/1000ft	64 pF/ft (210 pF/m)	115.25 pF/ft (378.12 pF/m)	0.14 µH/ft (0.46 µH/m)	30 Amps per conductor @ 30°C
Nom Outer Shield DCR:	7.1 Ohm/1000ft (23 Ohm/km)				

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
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75°C	-20°C to +75°C
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Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	164.6 lbs (74.66 kg)
Bulk Cable Weight:	55 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 760, CL3R, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6000FE

History

Update and Revision:	Revision Number: 0.538 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
5000FE 008500	Gray	Reel	500 ft	612825154549	C
5000FE 0081000	Gray	Reel	1,000 ft	612825154532	C
5000FE 0021000	Red	Reel	1,000 ft	612825154518	C

Footnote:	C - CRATE REEL PUT-UP.
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