



Product: [5100FE](#) 

Security & Sound, 2 Conductor 14 AWG, BC, Shielded, CL3R, FPLR

Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-14 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

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

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	14 AWG	19x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.011 in (0.28 mm)	0.092 in (2.3 mm)	Black, White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.222 in (5.64 mm)	Yes

Overall Cable Diameter (Nominal):	0.222 in (5.64 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)	2.54 Ohm/1000ft	54 pF/ft (180 pF/m)	97.25 pF/ft (319.1 pF/m)	0.15 µH/ft (0.49 µH/m)	25 Amps per conductor @ 30°C

Nom Outer Shield DCR@Cond DCR1-cnvr:	10 Ohm/1000ft (33 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CL3R, FPLR)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
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2.2 in (56 mm)	2.2 in (56 mm)
Max. Pull Tension:	104.1 lbs (47.22 kg)
Bulk Cable Weight:	37 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 2015/863/EU (RoHS 2 amendment), 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:	6100FH

History

Update and Revision:	Revision Number: 0.530 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5100FE.00152	Chrome	Reel	152 m	8719605007704	
5100FE.00305	Chrome	Reel	305 m	8719605007728	
5100FE.001000	Chrome	Reel	1,000 m	8719605007698	
5100FE 008500	Gray	Reel	500 ft	612825156222	
5100FE 0081000	Gray	Reel	1,000 ft	612825156246	C
5100FE 008U1000	Gray	UnReel	1,000 ft	612825423591	
5100FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825156260	
5100FE.003000	Gray	Reel	3,000 m	8719605007711	
5100FE 0021000	Red	Reel	1,000 ft	612825423584	C
5100FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825156239	
Footnote:		C - CRATE REEL PUT-UP.			

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