



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	Number of Element	Size	Stranding	Material
Conductor(s)	2	14 AWG	19x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.011 in (0.28 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)	Max. Current
Conductor(s)	2.54 Ohm/1000ft (8.33 Ohm/km)	54 pF/ft (180 pF/m)	97.25 pF/ft (319.1 pF/m)	8 Amps per conductor @ 25°C

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.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	125 lbs (56.7 kg)
Bulk Cable Weight:	37 lbs/1000ft (55 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 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: 0.373 Revision Date: 01-04-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
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
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
5100FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825156239

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