



**Product:** [5100FH](#) 

Security & Sound, 2 Conductor 14 AWG, TC, CMR

## Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-14 AWG stranded tinned copper conductors with polyolefin 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	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.011 in (0.28 mm)	0.098 in (2.5 mm)	Black, White

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.234 in	Yes

Overall Cable Diameter (Nominal): 0.234 in

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
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)	8 Amps per Conductor at 25°C
Nom Outer Shield DCR:	10 Ohm/1000ft (33 Ohm/km)			

#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	0°C To +75°C

#### Bend Radius

Stationary Min.	Installation Min.
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2.34 in (59.4 mm)	2.34 in	
Max. Pull Tension:	102 lbs (46.3 kg)	
Bulk Cable Weight:	39 lbs/1000ft	

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6100FH

History

Update and Revision:	Revision Number: 0.178 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
5100FH 0081000	Gray	Reel	1,000 ft	612825156253
5100FH 008U1000	Gray	UnReel	1,000 ft	612825156574

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