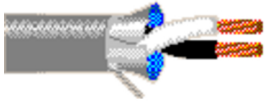


**Part Number: 5100FE**

Security & Sound, 2 Conductor 14 AWG, BC, O/A Foil, CMR



### Product Description

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

### Technical Specifications

#### Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Fire Alarm Systems

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
14	19x27	TC - Tinned Copper	2

Conductor Count:	2
Conductor Size:	14 AWG

##### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.011 in

##### Color Chart

Number	Color
1	Black
2	White

##### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	22	Solid mm

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.234 in	0.017 in	Yes

#### Construction and Dimensions

##### Cabling

Lay Length	Lay Direction	Twists
2.75 in	Left Hand	4.4 twist/ft

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.54 Ohm/1000ft	10 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

54 pF/ft	97.25 pF/ft
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Shielding:	Foil(s) or Copper Tape(s)
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**Inductance**

<b>Nominal Inductance</b>
0.15 µH/ft

**Current**

<b>Element</b>	<b>Max. Recommended Current [A]</b>
10C Temperature Rise	Per conductor @ 25°C ambient: 8 A

**Voltage**

<b>UL Voltage Rating</b>
300V RMS

**Temperature Range**

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight:	45.8 lbs/1000ft
Max Recommended Pulling Tension:	125.4 lbs
Min Bend Radius/Minor Axis:	2.25 in

**Standards**

NEC Articles:	725, 760
NEC/(UL) Specification:	CL3R, FPLR
CPR Euroclass:	Eca

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Suitability**

Suitability - Indoor:	Yes
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**Flammability, LS0H, Toxicity Testing**

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL Voltage Rating:	300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	6100FH

**Part Number**

**Variants**

Item #	Color	Footnote
5100FE.001000	CHROME	
5100FE.00152	CHROME	
5100FE.00305	CHROME	
5100FE.00153	CHROME	

5100FE 0081000	GRAY	C
5100FE 008500	GRAY	
5100FE 008U1000	GRAY	
5100FE.003000	GRAY	
5100FE 0021000	RED	C

Footnote:	C - CRATE REEL PUT-UP.
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