


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

Security & Sound, 2 Conductor 14 AWG, BC, 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

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Fire Alarm Systems
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#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	19x27	BC - Bare Copper	2

Conductor Count:	2
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##### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	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	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	Solid

##### 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 Direction	Twists
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

#### Inductance

Nominal Inductance
0.15 $\mu$ H/ft

#### Current

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

#### Voltage

UL Voltage Rating
300 V 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

Environmental Space:	Indoor - Riser
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
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

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

#### Part Number

#### 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

Footnote:	C - CRATE REEL PUT-UP.
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**History**

Update and Revision:	Revision Number: 0.295 Revision Date: 05-11-2020
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