



**Product:** [5300FE](#)

Security & Sound, 2 Conductor 18 AWG, BC, CMR

### Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-18 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
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#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	7x26	BC - Bare Copper	2

Conductor Count:	2
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##### Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.062 in	0.008 in

##### Color Chart

Number	Color
1	Black
2	Red

##### 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	24	7x32

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.162 in	0.017 in	Yes

#### Construction and Dimensions

##### Cabling

Twists
6.9 twist/ft

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	16.25 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
53 pF/ft	95.5 pF/ft

#### Inductance

Nominal Inductance
0.145 $\mu$ H/ft

#### Current

Max. Recommended Current [A]
Per conductor @ 25°C: 5 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:	18 lbs/1000ft
Max Recommended Pulling Tension:	57.5 lbs
Min Bend Radius/Minor Axis:	1.75 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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 - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Flammability, LSOH, Toxicity Testing

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

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6300FH

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
5300FE 0101000	Black	Reel	1,000 ft	612825158981
5300FE 010U1000	Black	UnReel	1,000 ft	612825423362
5300FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825159025
5300FE 0061000	Blue, Light	Reel	1,000 ft	612825350323
5300FE.00152	Chrome	Reel	152 m	8719605008145
5300FE.00305	Chrome	Reel	305 m	8719605008152
5300FE 008500	Gray	Reel	500 ft	612825336754
5300FE 008U500	Gray	UnReel	500 ft	612825423348
5300FE 0081000	Gray	Reel	1,000 ft	612825158974
5300FE 008U1000	Gray	UnReel	1,000 ft	612825158950
5300FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350330
5300FE 0031000	Orange	Reel	1,000 ft	612825350309
5300FE 0021000	Red	Reel	1,000 ft	612825423331
5300FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350293
5300FE 0071000	Violet	Reel	1,000 ft	612825158967
5300FE 0091000	White	Reel	1,000 ft	612825423355
5300FE 009Z1000	White	ReelTuff Box	1,000 ft	612825158998
5300FE 0041000	Yellow	Reel	1,000 ft	612825350316

Footnote: C - CRATE REEL PUT-UP.

### History

Update and Revision: Revision Number: 0.308 Revision Date: 05-11-2020

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