



**Part Number: 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**

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

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	18 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
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	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

**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 µH/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

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 - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Flammability, LS0H, 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
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**Part Number**

**Variants**

Item #	Color	UPC	Length	Footnote
5300FE 0101000	Black	612825158981	1,000 ft	
5300FE 010U1000	Black	612825423362	1,000 ft	
5300FE 010Z1000	Black	612825159025	1,000 ft	
5300FE 010Z1000	Black	612825159025	1,000 ft	
5300FE 0061000	Blue, Light	612825350323	1,000 ft	
5300FE 0061000	Blue, Light	612825350323	1,000 ft	
5300FE.00152	Chrome		152 m	
5300FE.00305	Chrome		305 m	
5300FE.K0305	Chrome		305 m	
5300FE 0081000	Gray	612825158974	1,000 ft	C
5300FE 008500	Gray	612825336754	500 ft	
5300FE 008U1000	Gray	612825158950	1,000 ft	
5300FE 008U500	Gray	612825423348	500 ft	
5300FE 008Z1000	Gray	612825350330	1,000 ft	
5300FE 008Z1000	Gray	612825350330	1,000 ft	
5300FE 0031000	Orange	612825350309	1,000 ft	
5300FE 0031000	Orange	612825350309	1,000 ft	
5300FE 0021000	Red	612825423331	1,000 ft	
5300FE 0021000	Red	612825423331	1,000 ft	
5300FE 002Z1000	Red	612825350293	1,000 ft	
5300FE 002Z1000	Red	612825350293	1,000 ft	
5300FE 0071000	Violet	612825158967	1,000 ft	
5300FE 0071000	Violet	612825158967	1,000 ft	
5300FE 0091000	White	612825423355	1,000 ft	
5300FE 0091000	White	612825423355	1,000 ft	
5300FE 009Z1000	White	612825158998	1,000 ft	
5300FE 009Z1000	White	612825158998	1,000 ft	
5300FE 0041000	Yellow	612825350316	1,000 ft	
5300FE 0041000	Yellow	612825350316	1,000 ft	

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

Update and Revision:	Revision Number: 0.288 Revision Date: 02-14-2019
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