




**Product:** [5200FE](#) 

Security & Sound, 2 Conductor 16 AWG, BC, CMR

## Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-16 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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	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	0.188 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4 Ohm/1000ft	14.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
58 pF/ft	114 pF/ft

Inductance

Nominal Inductance
0.14 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 6.25 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:	26 lbs/1000ft
Max Recommended Pulling Tension:	85.5 lbs
Min Bend Radius/Minor Axis:	2.0 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 - Indoor:	Yes
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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):	N
Plenum Number:	6200FH

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5200FE 0101000	Black	Reel	1,000 ft	612825446002

5200FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825157335
5200FE 0061000	Blue, Light	Reel	1,000 ft	612825350446
5200FE.00152	Chrome	Reel	152 m	8719605007940
5200FE.00305	Chrome	Reel	305 m	8719605007964
5200FE.K0305	Chrome	Reel	305 m	8719605007995
5200FE.001500	Gray	Reel	1,500 m	8719605007933
5200FE.00U305	Gray	Reel	305 m	8719605007971
5200FE 0081000	Gray	Reel	1,000 ft	612825157304
5200FE 008500	Gray	Reel	500 ft	612825157274
5200FE 008U1000	Gray	UnReel	1,000 ft	612825157281
5200FE 008U500	Gray	UnReel	500 ft	612825423485
5200FE.K01500	Gray	Reel	1,500 m	8719605007988
5200FE.001525	Gray	Reel	1,525 m	8719605007957
5200FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350453
5200FE 0051000	Green, Dark	Reel	1,000 ft	612825350439
5200FE 0031000	Orange	Reel	1,000 ft	612825350415
5200FE 0021000	Red	Reel	1,000 ft	612825423478
5200FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350408
5200FE 0071000	Violet	Reel	1,000 ft	612825157298
5200FE 009U1000	White	UnReel	1,000 ft	612825423492
5200FE 0091000	White	Reel	1,000 ft	612825157311
5200FE 009Z1000	White	ReelTuff Box	1,000 ft	612825350460
5200FE 0041000	Yellow	Reel	1,000 ft	612825350422

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.287 Revision Date: 04-08-2020
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