


Product: [5201FE](#) 



Security & Sound, 3 Conductor 16 AWG BC, Shielded, Riser

Product Description

Security & Commercial Audio Cable, 3 Conductor 16 AWG stranded (19x29) bare copper conductors with polyolefin insulation, Beldfoil® shield, Riser, 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)	16	19x29	BC - Bare Copper	3

Conductor Count:	3
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Insulation

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

Color Chart

Number	Color
1	Black
2	Red
3	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	24	7x32

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.195 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
4 Ohm/1000ft	15.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
58 pF/ft	104.5 pF/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	6.25 Amps per conductor @ 25°C ambient

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:	34 lbs/1000ft
Max Recommended Pulling Tension:	115.9 lbs
Min Bend Radius/Minor Axis:	1.875 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 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):	No
Plenum Number:	6201FE

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5201FE.00305	Chrome	Reel	305 m	8719605008039
5201FE 008500	Gray	Reel	500 ft	612825157748
5201FE 0081000	Gray	Reel	1,000 ft	612825157762
5201FE 008U1000	Gray	UnReel	1,000 ft	612825425670
5201FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825157786

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.285 Revision Date: 05-11-2020
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