



Part Number: 6300FE

Security & Sound, #18-2c, BC, O/A Foil, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

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	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.064 in	0.009 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	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.162 in	0.015 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
6.4 Ohm/1000ft	15.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
70 pF/ft	126 pF/ft

Inductance

Nominal Inductance
0.15 μ H/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 5 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max Recommended Pulling Tension:	57 lbs
Min Bend Radius/Minor Axis:	1.750 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5300FH
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Variants

Item #	Color	UPC	Length	Footnote
6300FE 010U1000	Black	612825423201	1,000 ft	
6300FE 010I1000	Black	612825174721	1,000 ft	
6300FE 010I1000	Black	612825174721	1,000 ft	
6300FE 010Z1000	Black	612825174752	1,000 ft	
6300FE 010Z1000	Black	612825174752	1,000 ft	
6300FE D15I1000	Blue	612825174776	1,000 ft	
6300FE D15I1000	Blue	612825174776	1,000 ft	
6300FE 008U1000	Gray	612825423188	1,000 ft	
6300FE 008Z1000	Gray	612825350613	1,000 ft	
6300FE 008Z1000	Gray	612825350613	1,000 ft	
6300FE 005I1000	Green, Dark	612825350606	1,000 ft	
6300FE 005I1000	Green, Dark	612825350606	1,000 ft	
6300FE 877I1000	Natural	612825174769	1,000 ft	C
6300FE 877500	Natural	612825174738	500 ft	
6300FE 877U1000	Natural	612825174745	1,000 ft	
6300FE 877U500	Natural	612825423218	500 ft	
6300FE 877Z1000	Natural	612825350699	1,000 ft	
6300FE 877Z1000	Natural	612825350699	1,000 ft	
6300FE 002I1000	Red	612825350576	1,000 ft	
6300FE 002I1000	Red	612825350576	1,000 ft	
6300FE 007I1000	Violet	612825174684	1,000 ft	
6300FE 007I1000	Violet	612825174684	1,000 ft	
6300FE 009U1000	White	612825174707	1,000 ft	
6300FE 009U250	White	612825174714	250 ft	
6300FE 009U500	White	612825423195	500 ft	
6300FE 009I1000	White	612825174691	1,000 ft	
6300FE 009I1000	White	612825174691	1,000 ft	
6300FE 009Z1000	White	612825350620	1,000 ft	
6300FE 009Z1000	White	612825350620	1,000 ft	
6300FE 004I1000	Yellow	612825350583	1,000 ft	
6300FE 004I1000	Yellow	612825350583	1,000 ft	

Footnote:	C - CRATE REEL PUT-UP.
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