



Product: [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

Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
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Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	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	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	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
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70 pF/ft	126 pF/ft
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Inductance

Nominal Inductance
0.15 µH/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

Environmental Space:	Indoor - Plenum
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, LS0H, 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	Putup Type	Length	UPC
6300FE 010U1000	Black	UnReel	1,000 ft	612825423201
6300FE 010I1000	Black	Reel	1,000 ft	612825174721
6300FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825174752
6300FE 010Z500	Black	ReelTuff Box	500 ft	
6300FE D15I1000	Blue	Reel	1,000 ft	612825174776
6300FE 008U1000	Gray	UnReel	1,000 ft	612825423188
6300FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350613
6300FE 005I1000	Green, Dark	Reel	1,000 ft	612825350606
6300FE 877I1000	Natural	Reel	1,000 ft	612825174769
6300FE 877500	Natural	Reel	500 ft	612825174738
6300FE 877U1000	Natural	UnReel	1,000 ft	612825174745
6300FE 877U500	Natural	UnReel	500 ft	612825423218
6300FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825350699
6300FE 002I1000	Red	Reel	1,000 ft	612825350576
6300FE 007I1000	Violet	Reel	1,000 ft	612825174684
6300FE 009U1000	White	UnReel	1,000 ft	612825174707
6300FE 009U250	White	UnReel	250 ft	612825174714
6300FE 009U500	White	UnReel	500 ft	612825423195
6300FE 009I1000	White	Reel	1,000 ft	612825174691
6300FE 009Z1000	White	ReelTuff Box	1,000 ft	612825350620
6300FE 004I1000	Yellow	Reel	1,000 ft	612825350583

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.290 Revision Date: 04-08-2020
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