



Product: [6500FE](#)

Security & Sound, 2 Conductor 22 AWG, BC, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems and Sound/Audio Systems
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	BC - Bare Copper	2

Conductor Count:	2
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Insulation

Element	Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.048 in	0.0095 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®	0.13 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists

4.8 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.4 Ohm/1000ft	15.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
55 pF/ft	99 pF/ft

Inductance

Nominal Inductance
0.17 μ H/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.8 Amps per conductor @ 25°C ambient

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:	12.0 lbs/1000ft
Max Recommended Pulling Tension:	24 lbs
Min Bend Radius/Minor Axis:	1.5 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 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:	5500FH
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Variants

Item #	Color	Putup Type	Length	UPC
6500FE 010U250	Black	UnReel	250 ft	612825177302
6500FE 010U500	Black	UnReel	500 ft	612825423171
6500FE 010Z500	Black	ReelTuff Box	500 ft	
6500FE 010U1000	Black	UnReel	1,000 ft	612825177296
6500FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825177357
6500FE 008U1000	Gray	UnReel	1,000 ft	612825423997
6500FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825177265
6500FE 877U250	Natural	UnReel	250 ft	612825177340
6500FE 877500	Natural	Reel	500 ft	612825177319
6500FE 877C500	Natural	Coil	500 ft	612825177326
6500FE 877U500	Natural	UnReel	500 ft	612825423973
6500FE 8771000	Natural	Reel	1,000 ft	612825177364
6500FE 877U1000	Natural	UnReel	1,000 ft	612825177333
6500FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825177371
6500FE 0031000	Orange	Reel	1,000 ft	612825350705
6500FE 003U1000	Orange	UnReel	1,000 ft	612825423980
6500FE 003Z1000	Orange	ReelTuff Box	1,000 ft	612825416586
6500FE 009U250	White	UnReel	250 ft	612825423164
6500FE 009U1000	White	UnReel	1,000 ft	612825177272
6500FE 009Z1000	White	ReelTuff Box	1,000 ft	612825177289

Footnote:

C - CRATE REEL PUT-UP.

History

Update and Revision:

Revision Number: 0.301 Revision Date: 05-11-2020

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