


**Product:** [6500FC](#) 

Security & Sound, 2 Conductor 22 AWG BC, Shielded, Plenum



## Product Description

Security, Pro Audio & Intercom Cable, 2 Conductor 22 AWG stranded (7x30) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

## Technical Specifications

### Product Overview

Suitable Applications:	Pro Audio, Intercom/PA Systems, Security Systems
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Material
FEP - Fluorinated Ethylene Propylene

#### 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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.116 in	0.015 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16 Ohm/1000ft	17 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
45 pF/ft	81 pF/ft

#### Inductance

Nominal Inductance
0.16 µH/ft

## Impedance

### Nominal Characteristic Impedance

38 Ohm

## Current

### Max. Recommended Current [A]

2.8 Amps per Conductor at 25°C

## 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:	10.3 lbs/1000ft
Max. Pull Tension:	23.7 lbs
Min Bend Radius/Minor Axis:	1.2 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

## 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

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

Non-Plenum Number:	5500FE
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## Variants

Item #	Color	Putup Type	Length	UPC
6500FC 8771000	Natural	Reel	1,000 ft	612825177234
6500FC 877U1000	Natural	UnReel	1,000 ft	612825350712

## History

Update and Revision:	Revision Number: 0.290 Revision Date: 02-16-2021
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