
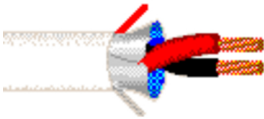


Product: [6400FE](#) 



Security & Sound, 2 Conductor 20 AWG BC, Shielded, Plenum

Product Description

Security & Commercial Audio Cable, 2 Conductor 20 AWG stranded (7x28) bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum, 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)	20	7x28	BC - Bare Copper	2

Conductor Count:	2
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Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	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	22	Solid

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.142 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.3 Ohm/1000ft	16.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
56 pF/ft	100.8 pF/ft

Inductance

Nominal Inductance
0.16 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	3.75 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:	15.3 lbs/1000ft
Max Recommended Pulling Tension:	37.1 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	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

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, 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:	5400FE
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Variants

Item #	Color	Putup Type	Length	UPC
6400FE 006Z1000	Blue, Light	ReelTuff Box	1,000 ft	612825423935
6400FE 008Z500	Gray	ReelTuff Box	500 ft	
6400FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825176572
6400FE 005Z1000	Green	ReelTuff Box	1,000 ft	612825423928
6400FE 877Z500	Natural	ReelTuff Box	500 ft	

6400FE 8771000	Natural	Reel	1,000 ft	612825176589
6400FE 877U1000	Natural	UnReel	1,000 ft	612825423959
6400FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825176619
6400FE 003Z1000	Orange	ReelTuff Box	1,000 ft	612825423904
6400FE 009U250	White	UnReel	250 ft	612825423942
6400FE 009Z1000	White	ReelTuff Box	1,000 ft	612825176596
6400FE 004Z1000	Yellow	ReelTuff Box	1,000 ft	612825423911

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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