



Product: [6400FE](#)

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

Product Description

Security & Commercial Audio Cable, 2 Conductor 20 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum-CMP, Flamarrest® jacket with ripcord.

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems and Sound/Audio Systems.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	20 AWG	7x28	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.054 in (1.4 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.142 in (3.61 mm)	Yes

Overall Cable Diameter (Nominal):	0.142 in (3.61 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	10.3 Ohm/1000ft	56 pF/ft (180 pF/m)	100.8 pF/ft (330.7 pF/m)	8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.4 in (36 mm)	1.4 in (36 mm)

Max. Pull Tension:	34 lbs (15 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5400FE

History

Update and Revision:	Revision Number: 0.500 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
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	C
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	

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