



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

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

#### Construction Details

##### Conductor

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

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black, Red

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.128 in (3.25 mm)	Yes

Overall Cable Diameter (Nominal):	0.128 in (3.25 mm)
-----------------------------------	--------------------

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.9 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	6 Amps per Conductor at 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.
1.3 in (33 mm)	1.3 in (33 mm)

Max. Pull Tension:	24 lbs (11 kg)
Bulk Cable Weight:	11 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5500FE

## History

Update and Revision:	Revision Number: 0.527 Revision Date: 02-15-2024
----------------------	--

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
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	C
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	

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.