

Product: 6521FE ☑



Security & Sound, 3 Conductor 22 AWG BC, Shielded, Plenum

Product Description

Security & Commercial Audio Cable, 3 Conductor 22 AWG solid bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

Technical Specifications

Product Overview

100000101011						
Suitable Applications:			Interco	om/PA Systems and Sound/	Audio Systems	
Phys	hysical Characteristics (Overall)					
Condu	ctor					
AWG	Stranding	Material	No. of Conductors			
22	Solid	BC - Bare Copper	3			
Condu	Conductor Count:			3		
Insulat	nsulation					
	Material Material Trade Name Nominal Wall Thickness					
Material Material Trade			Material Trade	Name	Nominai Wali Thickness	
PVC-LS - Polyvinyl Chloride (Low Smoke) Flamarrest®				0.009 in		

Color Chart

Number	Color
1	Black
2	Red
3	White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	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®	0.129 in	0.015 in	Yes

Construction and Dimensions

Cabling



Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15.7 Ohm/1000ft	11.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
51 pF/ft	91.8 pF/ft

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:	14.9 lbs/1000ft
Max. Pull Tension:	23.4 lbs
Min Bend Radius/Minor Axis:	1.25 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, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Part Number

Non-Plenum Number:	5521FE

Variants

Item #	Color	Putup Type	Length	UPC
6521FE 8771000	Natural	Reel	1,000 ft	612825178132

History

Update and Revision:	Revision Number: 0.279 Revision Date: 06-08-2020

© 2020 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 d Disclosure is not to be considered a warranty or or regulations based on their individual usage of the	esigned only as a general guide for the sat yuality specification. Regulatory information product.	fe handling, storage, and any othen n is for guidance purposes only. Pr	r operation of the product itself or tr oduct users are responsible for det	ne one that it becomes a part of. T ermining the applicability of legisla	ne Product ition and