Product: [6501FE](#) ⬈

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

REPRESENTATIVE IMAGE

Product Description

Security & Sound Cable, 3 Conductor 22 AWG stranded (7x30) bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Noisy Environment

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	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, White

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)	0.135 in (3.43 mm)	Yes

Overall Cable Diameter (Nominal):	0.135 in (3.43 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.1 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	2.8 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.35 in (34.3 mm)	1.35 in (34.3 mm)

Max. Pull Tension:	32.8 lbs (14.9 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
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:	5501FE

History

Update and Revision:	Revision Number: 0.533 Revision Date: 03-29-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6501FE 8771000	Natural	Reel	1,000 ft	612825177487	C
6501FE 877U1000	Natural	UnReel	1,000 ft	612825426271	
6501FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825177517	

Mouser Electronics

Authorized Distributor

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[Belden Wire & Cable](#):

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