BELDEN

Product: [6500FC](#) ⇗

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

Product Description

Security, Pro Audio & Intercom Cable, 2 Conductor 22 AWG stranded (7x30) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

Technical Specifications

Product Overview

Suitable Applications:	Pro Audio, Intercom/PA Systems, Security 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)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.041 in (1.0 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)	0.116 in	Yes

Overall Cable Diameter (Nominal):	0.116 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
16 Ohm/1000ft	45 pF/ft (150 pF/m)	81 pF/ft (270 pF/m)	38 Ohm	2.8 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.16 in (29.5 mm)	1.16 in

Max. Pull Tension:	23.7 lbs (10.8 kg)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), 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:	5500FE

History

Update and Revision:	Revision Number: 0.383 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
6500FC 8771000	Natural	Reel	1,000 ft	612825177234
6500FC 877U1000	Natural	UnReel	1,000 ft	612825350712

Mouser Electronics

Authorized Distributor

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