



**Product:** [6502FC](#)



Security & Sound, 4 Conductor 22 AWG BC, Shielded, Plenum

## Product Description

Security, Pro Audio & Intercom Cable, 4 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
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	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, White, Green

#### 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)	0.133 in	Yes

Overall Cable Diameter (Nominal):	0.133 in
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### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
16.2 Ohm/1000ft	45 pF/ft (150 pF/m)	81 pF/ft (270 pF/m)	2.2 Amps per Conductor at 25°C

#### 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.
1.33 in (33.8 mm)	1.33 in

Max. Pull Tension:	41.9 lbs (19.0 kg)
Bulk Cable Weight:	16 lbs/1000ft

## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.368 Revision Date: 12-20-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
6502FC 8771000	Natural	Reel	1,000 ft	612825177784

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