


**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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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	4

Conductor Count:	4
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#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

#### Color Chart

Number	Color
1	Black
2	Red
3	White
4	Green

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.133 in	0.015 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.2 Ohm/1000ft	15.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
27.5 pF/ft	49.5 pF/ft

#### Current

**Max. Recommended Current [A]**

2.2 Amps per conductor @ 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:	15.2 lbs/1000ft
Max Recommended Pulling Tension:	41.9 lbs
Min Bend Radius/Minor Axis:	1.3 in

**Standards**

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	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, LSOH, Toxicity Testing**

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

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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**Part Number****Variants**

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

**History**

Update and Revision:	Revision Number: 0.273 Revision Date: 04-28-2020
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