

**Part Number: 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**

Environmental Space:	Indoor - Plenum
Suitable Applications:	Pro Audio, Intercom/PA Systems, Security Systems

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	4
Conductor Size:	22 AWG

**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	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
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
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## Part Number

### Variants

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

## History

Update and Revision:	Revision Number: 0.262 Revision Date: 07-11-2019
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