



Product: [6543PA](#)

Security & Sound, 4 Pair 22 AWG, BC, CMP



### Product Description

Security, Pro Audio & Intercom Cable, 4 Pair 22 AWG stranded (7x30) bare copper pairs with FEP insulation, Individually Beldfoil® shielded and PVDF jacket with ripcord, Plenum rated.

### Technical Specifications

#### Product Overview

Suitable Applications:	Security, Audio, Intercom
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	22 AWG	7x30	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.010 in (0.25 mm)	0.049 in (1.2 mm)	Black & Red, Black & White, Black & Green, Black & Blue

##### Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

##### Outer Shield

<b>Material</b>
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVDF - Polyvinylidene Fluoride	0.015 in (0.38 mm)	0.252 in	Yes

Overall Cable Diameter (Nominal):	0.252 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
17.6 Ohm/1000ft	15.3 Ohm/1000ft (50.2 Ohm/km)	27.5 pF/ft (90.2 pF/m)	49.5 pF/ft (162 pF/m)	50 Ohm	69%	4.2 Amps per Conductor at 30°C

##### Voltage

<b>UL Voltage Rating</b>
300 V

#### Mechanical Characteristics

##### Temperature

<b>UL Temperature</b>	<b>Operating</b>
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150°C	-15°C to +150°C
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#### Bend Radius

Stationary Min.	Installation Min.
2.52 in (64.0 mm)	2.52 in

Max. Pull Tension:	78.3 lbs (35.5 kg)
Bulk Cable Weight:	43 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor - Plenum/Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Aerial - When supported by messenger wire
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

#### Product Notes

Notes:	Ripcord under jacket
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#### History

Update and Revision:	Revision Number: 0.428 Revision Date: 12-22-2023
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#### Part Numbers

##### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6543PA 0081000	Gray	Reel	1,000 ft	612825430032	C
6543PA 0085000	Gray	Reel	5,000 ft	612825178446	

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