


**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
------------------------	---------------------------

### Construction Details

#### Conductor

Element	Number of Element	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
-----------------------------------	----------

### 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>	Operating
-----------------------	-----------

150°C	-15°C to +150°C
-------	-----------------

#### 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
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), 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
--------	----------------------

#### History

Update and Revision:	Revision Number: 0.297 Revision Date: 04-08-2022
----------------------	--

#### Part Numbers

##### Variants

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

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.