

Product: [6549PA](#) 



Life Cycle Status: Discontinued

Security & Sound, 16 Pair 22 AWG, BC, CMP

Product Description

Security, Pro Audio & Intercom Cable, 16 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
------------------------	---------------------------

Product Life Cycle

Life Cycle:	Discontinued - the product is no longer manufactured
Discontinuation Announcement Date:	2023-03-30

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	16	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, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue, Green & Yellow

Inner Shield

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

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVDF - Polyvinylidene Fluoride	0.017 in (0.43 mm)	0.457 in	Yes

Overall Cable Diameter (Nominal):	0.457 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. Delay	Nom. Inductance	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	1.47 ns/ft	0.18 µH/ft (0.59 µH/m)	69%	3 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-15°C to +150°C

Bend Radius

Stationary Min.	Installation Min.
4.57 in (116 mm)	4.57 in

Max. Pull Tension:	296.7 lbs (134.6 kg)
Bulk Cable Weight:	151 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:	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
--------	----------------------

History

Update and Revision:	Revision Number: 0.459 Revision Date: 07-30-2026
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6549PA 0081000	Gray	Reel	1,000 ft	612825433835	C
6549PA 0081500	Gray	Reel	1,500 ft	612825393580	

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2026 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.