



Product: [6541PA](#)

2 Pair #22 Str BC, Individually Shielded, PVDF Jkt, Plenum



REPRESENTATIVE IMAGE

Product Description

2 Pair 22 AWG (7x30) bare copper pairs with FEP insulation, Individually Beldfoil® shielded, PVDF jacket with ripcord, CMP

Technical Specifications

Product Overview

Suitable Applications:	Security, Pro Audio, Intercom
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	2	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

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	each pair

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVDF - Polyvinylidene Fluoride	0.015 in (0.38 mm)	0.214 in (5.44 mm)	Yes

Overall Cable Diameter (Nominal):	0.214 in (5.44 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	16.4 Ohm/1000ft (53.8 Ohm/km)	27.5 pF/ft (90.2 pF/m)	49.5 pF/ft (162 pF/m)	50 Ohm	69%	2.2 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +150°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	47 lbs (21 kg)
Bulk Cable Weight:	24 lbs/1000ft (36 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.380 Revision Date: 11-09-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
6541PA 0081000	Gray	Reel	1,000 ft	612825430025
6541PA 008U1000	Gray	UnReel	1,000 ft	612825178378
6541PA 0085000	Gray	Reel	5,000 ft	612825178255

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