


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	AWG	Stranding	Material
Pair(s)	2	22	7x30	BC - Bare Copper

Insulation

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

Inner Shield Material

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

Material	Thickness	Nom. Diameter	Ripcord
PVDF - Polyvinylidene Fluoride	0.015 in	0.214 in	Yes

Cable Diameter (Nominal):	0.214 in
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Electrical Characteristics

Electricals

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

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.1 in	2.1 in

Max. Pull Tension:	47 lbs
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Fire Resistance:	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 II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.362 Revision Date: 03-03-2021
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