

6541PA Multi-Conductor - Pro Audio and Intercom Systems



For more Information
please call

1-800-Belden1

**Description:**

22 AWG BC conductors, FEP insulation, conductors twisted into pairs and individually shielded w/Beldfoil® tape (alum side facing in). Each pair has a 24 AWG TC drain wire, pairs cabled together, Fluorocopolymer jacket, ripcord. Sequential footage marking every two feet.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
2	22	7x30	BC - Bare Copper	.029

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	.010	.049

Inner Shield**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVDF - Fluorocopolymer	.015

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.214 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.375	6.900

Mechanical Characteristics (Overall)

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Operating Temperature Range: -20°C To +150°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 23.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 47.400 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.100 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

NEC Articles: 800

CEC/C(UL) Specification: CMP

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

50

Nom. Inductance:

Inductance (μH/ft)

.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

27.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

49.5

Nominal Velocity of Propagation:

VP (%)

69

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.4

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15.300 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage

300 V RMS

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Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6541PA 008U1000	1,000 FT	26.000 LB	GRAY		2 FSPR #22 FEP SLF
6541PA 008I1000	1,000 FT	27.000 LB	GRAY	C	2 FSPR #22 FEP SLF

Notes:

C = CRATE REEL PUT-UP.

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