

## 6549PA Multi-Conductor - Pro Audio and Intercom Systems



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG BC cond, FEP insul, cond twisted into pairs and individually shielded w/Beldfoil® tape (alum side facing in), drain wire, multiple pairs cabled together, Fluorocopolymer (22 AWG) or Flamarrest® (18 AWG) jkt, ripcord. Seq ftg marking every two ft.

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

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
16	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	.017

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 0.457 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

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9	Red & Green
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow

## Pair Lay Length &amp; Direction:

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

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	150 lbs/1000 ft.
Max. Recommended Pulling Tension:	324.200 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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
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## 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 &amp; Shield:

**6549PA Multi-Conductor - Pro Audio and Intercom Systems****Capacitance (pF/ft)**

49.5

**Nominal Velocity of Propagation:****VP (%)**

69

**Nom. Conductor DC Resistance:****DCR @ 20°C (Ohm/1000 ft)**

16.4

**Nominal Outer Shield DC Resistance:****DCR @ 20°C (Ohm/1000 ft)**

15.3

**Max. Operating Voltage - UL:****Voltage**

300 V RMS

**Max. Recommended Current:****Current**

1.5 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
6549PA 0081000	1,000 FT	159.000 LB	GRAY	C	16 FS PR #22 FEP SLF

**Notes:**

C = CRATE REEL PUT-UP.

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