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please call

1-800-Belden1



### General Description:

Security, Pro Audio & Intercom Cable, Plenum-CMP, 16-22 AWG stranded bare copper pairs with FEP insulation, Individually Beldfoil® shielded and PVDF jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
16	22	7x30	BC - Bare Copper	0.7366

Total Number of Conductors: 32

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)	Dia. (mm)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.254	1.2446

#### 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 (mm)
PVDF - Fluorocopolymer	0.4318

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 11.608 mm

#### 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

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 & Direction:**

Lay Length (mm)	Twists (twist/m)
34.925	22.639

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	223.230 Kg/Km
Max. Recommended Pulling Tension:	1442.110 N
Min. Bend Radius/Minor Axis:	114.300 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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/m)
0.59058

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
90.2275

## METRIC MEASUREMENT VERSION

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

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
162.41

### Nominal Velocity of Propagation:

VP (%)
69

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
50.1993

### 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.

## 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
6549PA 0081500	1,500 FT	241.500 LB	GRAY		16 FS PR #22 FEP SLF

### Notes:

C = CRATE REEL PUT-UP.

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