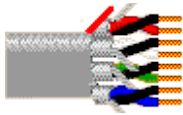


## 6548PA Multi-Conductor - Pro Audio and Intercom Systems

For more Information  
please call

1-800-Belden1



### General Description:

Security, Pro Audio & Intercom Cable, Plenum-CMP, 12-22 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)
12	22	7x30	BC - Bare Copper	0.7366

Total Number of Conductors: 24

#### 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: 10.363 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

**Pair Lay Length & Direction:**

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

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +150°C
<b>UL Temperature Rating:</b>	75°C
<b>Bulk Cable Weight:</b>	172.631 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	971.487 N
<b>Min. Bend Radius/Minor Axis:</b>	101.600 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMP
<b>NEC Articles:</b>	800
<b>CEC/C(UL) Specification:</b>	CMP
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	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

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

Capacitance (pF/m)
162.41

## 6548PA Multi-Conductor - Pro Audio and Intercom Systems

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
69

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
53.8084

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
50.1993

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Max. Recommended Current:**

<b>Current</b>
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
6548PA 0081000	1,000 FT	125.000 LB	GRAY	C	12 FS PR #22 FEP SLF
6548PA 0081500	1,500 FT	181.500 LB	GRAY		12 FS PR #22 FEP SLF

**Notes:**

C = CRATE REEL PUT-UP.

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