

6543PA Multi-Conductor - Pro Audio and Intercom Systems



For more Information
please call

1-800-Belden1

**General Description:**

Security, Pro Audio & Intercom Cable, Plenum-CMP, 4-22 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. (in.) |
|---------|-----|-----------|--------------------|------------|
| 4 | 22 | 7x30 | BC - Bare Copper | .029 |

Total Number of Conductors: 8

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: 0.252 in.

Pair**Pair Color Code Chart:**

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |

Pair Lay Length & Direction:

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

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Mechanical Characteristics (Overall)

| | |
|-----------------------------------|---------------------|
| Operating Temperature Range: | -20°C To +150°C |
| UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 45.800 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 94.800 lbs. |
| Min. Bend Radius/Minor Axis: | 2.500 in. |

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 |
|---------------|-----|

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 |

Nominal Outer Shield DC Resistance:

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DCR @ 20°C (Ohm/1000 ft)

15.3

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

300 V RMS

Max. Recommended Current:**Current**

2.0 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 |
|----------------|----------|-------------|-------|-------|---------------------|
| 6543PA 0081000 | 1,000 FT | 46.000 LB | GRAY | C | 4 FS PR #22 FEP SLF |

Notes:

C = CRATE REEL PUT-UP.

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