

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 & 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 & 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:

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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