



## Technical Specifications

Product Line: **22-4P-PINDSH**

### Description

4 pair 22 AWG stranded, twisted, and individually shielded cable

NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

### Conductor

22 AWG

7-strand annealed bare copper conductors

Diameter: 0.030" | 0.76mm

### Insulation

Plenum rated polyvinyl chloride

Wall thickness: 0.008" | 0.20mm

Diameter: 0.046" | 1.17mm

### Color Code

Pair 1: Black, red

Pair 2: Black, White

Pair 3: Black, Green

Pair 4: Black, Blue

### Assembly

Pair lay length: 2.0" | 51.0mm

6.0 twists per foot | 19.6 twists per meter

4 Shielded pairs cabled on a common axis

### Construct

Ripcord under jacket

### Shield

Each pair:

100% aluminum/polyester tape foil in

24 AWG 7-strand tinned copper drain

### Jacket

Plenum rated polyvinyl chloride

Colors: Natural White

Wall thickness: 0.015" | 0.38mm

Diameter: 0.215" | 5.46mm

Specification Revision Date:

### Electrical

DC resistance: 16.4  $\Omega$  / 1000' | 53.79  $\Omega$ /KM

Mutual capacitance: 53.2 pF/FT | 174.50 pF/M

Impedance: 36  $\Omega$

Inductance: 0.17 $\mu$ H/FT | 0.55 $\mu$ H/M

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 2.0A@25°C

### Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 45 Lbs/1000' | 68 Kg/KM

### Installation

Pull Tension: 56 Lbs | 250 N

Bend radius: 2.15" | 55mm unloaded

Bend radius: 4.30" | 110mm loaded

Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

### Applications

Plenum line level balanced audio

Plenum General purpose security and low voltage power

### Performance

Assuming 600  $\Omega$  source impedance:

Line level balanced audio 130 feet

### Final Outside Diameter (inches)

0.215

June 15, 2005

