



## Technical Specifications

**Product Line:** 24-4P-PLCSH

### Description

4 pair 24 AWG stranded, twisted, and 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

24 AWG

7-strand tinned annealed bare copper conductors

Diameter: 0.024" | 0.61mm

### Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.010" | 0.254mm

Diameter: 0.044" | 1.12mm

### Color Code

Pair 1: Orange, White/orange stripe

Pair 2: Blue, White/blue stripe

Pair 3: Green, White/green stripe

Pair 4: Brown, White/brown stripe

### Assembly

Pairs twisted in identical lay lengths with co-extruded like striped conductor

4 twisted pairs cabled on a common axis

### Construct

N/A

### Shield

100% aluminum/polyester tape foil in

24 AWG 7-strand tinned copper drain

### Jacket

Plenum rated polyvinyl chloride

Colors: White

Wall thickness: 0.015" | 0.38mm

Diameter: 0.210" | 5.33mm

Specification Revision Date:

### Electrical

DC resistance: 27.5  $\Omega$  / 1000' | 90.20  $\Omega$ /KM

Mutual capacitance: 14.0 pF/FT | 45.92 pF/M

Impedance: 100  $\Omega$

Velocity of Propagation: 74%

Voltage rating: 300V

Maximum current: 1.4A@25°C

### Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 30 Lbs/1000' | 45 Kg/KM

### Installation

Pull Tension: 32 Lbs | 143 N

Bend radius: 2.10" | 54mm unloaded

Bend radius: 4.20" | 108mm 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 RS-232C and RS-422 full duplex

Plenum low voltage, security and control

### Performance

RS-232 50 feet by standard

Note: Tested up to 300 feet

### Final Outside Diameter (inches)

0.210

July 28, 2008

