



## Technical Specifications

**Product Line: 22-2P-SHEX**

### Description

2 pair 22 AWG stranded, twisted, and individually shielded cable  
NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

### Conductor

22 AWG  
16-strand annealed bare copper conductors  
Diameter: 0.029" | 0.74mm

### Electrical

DC resistance: 16.61  $\Omega$  / 1000' | 54.48  $\Omega$ /KM  
Mutual capacitance: 35.74 pF/FT | 117.23 pF/M  
Impedance: 56  $\Omega$   
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 2.3A@25°C

### Insulation

Polyvinyl chloride  
Wall thickness: 0.015" | 0.38mm  
Diameter: 0.059" | 1.50mm

### Regulatory

NEC: CM 75°C  
CEC: CMG FT4 60°C  
EU RoHS 2002/95/EC Compliant

### Color Code

Pair 1: Red, Black  
Pair 2: White, Black

### Packages

Reel: 1000' | 305M  
Weight: 38 Lbs/1000' | 57 Kg/KM

### Assembly

Pair lay length: 2.25" | 60mm  
5.3 twists per foot | 16.7 twists per meter  
2 Shielded pairs cabled on a common axis

### Installation

Pull Tension: 31 Lbs | 138 N  
Bend radius: 2.60" | 66mm unloaded  
Bend radius: 5.20" | 132mm loaded

### Construct

100% Paper tape binder  
Ripcord under jacket

### Applications

General purpose line level balanced audio  
General purpose low voltage control and RS-232C signaling

### Shield

100% aluminum/mylar tape foil in  
22 AWG 7-strand tinned copper drain

### Performance

Assuming 600  $\Omega$  source impedance:  
Line level balanced audio 200 feet

### Jacket

Pressure extruded polyvinyl chloride  
Colors: Pink, Yellow, Purple  
Wall thickness: 0.050" | 1.27mm  
Diameter: 0.260" | 6.60mm

### Final Outside Diameter (inches)

0.260

Specification Revision Date:

June 30, 2006

