



Technical Specifications

Product Line: **22-2P-SIAM-EZ**

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
7-strand tinned annealed copper conductors
Diameter: 0.030" | 0.76mm

Electrical

DC resistance: 16.6 Ω / 1000' | 54.45 Ω /KM
Mutual capacitance: 17.0 pF/FT | 55.76 pF/M
Impedance: 75 Ω
Velocity of Propagation: 78%
Voltage rating: 300V
Maximum current: 2.3A@25°C

Insulation

Foam Polyethylene
Wall thickness: 0.010" | 0.25mm
Diameter: 0.050" | 1.27mm

Regulatory

NEC: CMP 75°C
CEC: CMP FT6 60°C
EU RoHS 2002/95/EC Compliant

Color Code

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

Packages

Reel: 1000' | 305M
Weight: 31 Lbs/1000' | 47 Kg/KM

Assembly

Pair lay length: 2.0" | 51.0mm
6.0 twists per foot | 19.6 twists per meter

Installation

Pull Tension: 31 Lbs | 138 N
Bend radius: 2.75" | 70mm unloaded
Bend radius: 5.50" | 140mm loaded

Construct

Parallel jacketed pairs connected by a web

Applications

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

Shield

Each pair:
100% aluminum/polyester tape foil in
22 AWG 7-strand tinned copper drain

Performance

Assuming 600 Ω source impedance:
Line level balanced audio 450 feet

Jacket

Each pair:
Pressure extruded polyvinyl chloride
Colors: Black
Wall thickness: 0.016" | 0.41mm
Cable diameter: 0.135 x 0.275" | 3.43 x 6.99mm

Final Outside Diameter (inches)

0.135 x 0.275

Specification Revision Date:

December 22, 2006

