



Technical Specifications

Product Line: 24-1P-DIG

Description

1 pair 24 AWG stranded, twisted, and shielded cable
NEC type CM 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

24 AWG
7-strand tinned annealed bare copper conductors
Diameter: 0.024" | 0.61mm

Electrical

DC resistance: 26.5 Ω / 1000' | 86.92 Ω /KM
Mutual capacitance: 11.5 pF/FT | 37.72 pF/M
Impedance: 110 Ω
Velocity of Propagation: 78%
Voltage rating: 300V
Maximum current: 2.0A@25°C

Insulation

Foam polyethylene
Wall thickness: 0.023" | 0.58mm
Diameter: 0.070" | 1.78mm

Regulatory

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

Color Code

Black, White

Packages

Reel: 1000' | 305M
Weight: 19 Lbs/1000' | 29 Kg/KM

Assembly

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

Installation

Pull Tension: 11 Lbs | 49 N
Bend radius: 2.03" | 52mm unloaded
Bend radius: 4.06" | 104mm loaded

Construct

N/A

Applications

General purpose Digital Audio AES/EBU 110 Ω
General purpose broadcast quality line level balanced audio
General purpose low voltage control and RS-232C signaling
General purpose simplex RS-485 and DMX-512

Shield

100% aluminum/polyester tape foil in
24 AWG 7-strand tinned copper drain

Performance

AES/EBU 48KHz: 1100 feet
AES/EBU 192KHz: 640 feet
Assuming 600 Ω source impedance:
Line level balanced audio 500 feet

Jacket

Flame rated polyvinyl chloride
Colors: Black
Wall thickness: 0.030" | 0.76mm
Diameter: 0.203" | 5.16mm

Final Outside Diameter (inches)

0.203

Specification Revision Date:

April 28, 2008

