



Technical Specifications

Product Line: AXLINK-P

Description

Composite cable consisting of a 22 AWG stranded, twisted and shielded data pair and an 18 AWG stranded, twisted, and unshielded power pair overall jacketed
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.

Component 1:

22 AWG shielded data pair
7-strand annealed bare copper conductors
Foam fluorinated ethylene propylene
Wall thickness: 0.019" | 0.51mm
Diameter: 0.068" | 1.73mm
100% aluminum/poly shield foil in
24 AWG 7-strand tinned copper drain wire

Component 2:

18 AWG unshielded power pair
16-strand annealed bare copper conductors
Diameter: 0.068" | 1.73mm
Plenum rated polyvinyl chloride
Wall thickness: 0.009" | 0.23mm

Color Code

Data pair: Blue, White
Power pair: Red, Black

Assembly

Shielded data pair and power pair cabled on a common axis

Construct

Ripcord under jacket

Shield

Data pair shielded per component 1 description

Jacket

Plenum rated polyvinyl chloride
Colors: Black
Wall thickness: 0.025" | 0.64mm
Diameter: 0.215" | 5.46mm

Specification Revision Date:

Electrical

22 AWG DCR: 15.7 Ω / 1000' | 51.5 Ω /KM
Shield DCR: 22.5 Ω / 1000' | 73.8 Ω /KM
Mutual capacitance: 12.5 pF/FT | 41.0 pF/M
Impedance: 105 Ω
Velocity of Propagation: 82%
Voltage rating: 300V
18 AWG DCR: 6.74 Ω / 1000' | 22.11 Ω /KM
Maximum current: 3.0A@25°C

Regulatory

NEC: CL2P 75°C
CEC: CMP FT6 60°C
EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M
Weight: 29 Lbs/1000' | 44 Kg/KM

Installation

Pull Tension: 40 Lbs | 178 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

AMX Axlink universal system control cable
Plenum RS-232C, RS-485 simplex data and control
Plenum systems control and communication cable

Performance

18 AWG power: 500 feet maximum

Final Outside Diameter (inches)

0.215

October 26, 2005

