



Technical Specifications

Product Line: AXLINK

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 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.

Component 1:

22 AWG shielded data pair
 7-strand annealed bare copper conductors
 Foam polyethylene insulation
 Wall thickness: 0.025" | 0.64mm
 Diameter: 0.074" | 1.88mm
 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
 Polyvinyl chloride insulation
 Wall thickness: 0.010" | 0.25mm
 Diameter: 0.072" | 1.83mm

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

Flame retardant polyvinyl chloride
 Colors: Black
 Wall thickness: 0.032" | 0.81mm
 Diameter: 0.246" | 6.25mm

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: 78%
 Voltage rating: 300V
 18 AWG DCR: 6.74 Ω / 1000' | 22.11 Ω /KM
 Maximum current: 3.0A@25°C

Regulatory

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

Packages

Reel: 1000' | 305M
 Weight: 40 Lbs/1000' | 60 Kg/KM

Installation

Pull Tension: 40 Lbs | 178 N
 Bend radius: 2.46" | 63mm unloaded
 Bend radius: 4.92" | 126mm loaded

Applications

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

Performance

18 AWG power: 500 feet maximum

Final Outside Diameter (inches)

0.246

September 21, 2006

