



2012 CORPORATE LANE, SUITE 116 NAPERVILLE, IL 60563 TOLL FREE: 888-888-8045

Part #: AVPAXLINK-00
Axlink System Specific

Description: Two element composite cable with an overall plenum rated PVC jacket. AMX AX-LINK Network and Automation Control Cable

(2C) 18 AWG 7 Strands BC Plenum rated PVC Insulated Unshielded
(1P) 22 AWG 7 Strands BC Foamed FEP Insulated Shielded

Element 1: (Power/Control) 18 AWG 2C Unshielded

- 1. Conductor**
 - 1.1. AWG & Stranding: 18 AWG 7 Strands Class B
 - 1.2. Material: Annealed Bare Copper
 - 1.3. Conductor Count: 2 Conductors
- 2. Insulation**
 - 2.1. Material: Plenum Rated Polyvinylchloride
 - 2.2. Wall Thickness: 0.007"
 - 2.3. Color Code: Black & Red

Element 2: (Data) 22 AWG 1Pr Shielded

- 3. Conductor**
 - 3.1. AWG & Stranding: 22 AWG 7 Strands Class B
 - 3.2. Material: Annealed Bare Copper
 - 3.3. Conductor Count: 1 Pair
- 4. Insulation**
 - 4.1. Material: Foamed Fluorinated Ethylene Propylene
 - 4.2. Wall Thickness: 0.020"
 - 4.3. Color Code: Blue & White
- 5. Assembly**
 - 5.1. Pair Lay Length: Cabled on Common-Axis with Element 2
 - 5.2. Pair Drain Wire: 24AWG, 7/32 Strand Tinned Copper (Inside Foil)
 - 5.3. Pair Shield: Aluminum/Mylar Tape - 100% Coverage (Foil Facing Inside)

Overall Cable Assembly for Element 1 & 2

6. Assembly - Elements 1 & 2

6.1. Cable Lay Length: 2.50" LHL (4.8 tw/ft)

7. Jacket

7.1. Material: Plenum Rated Polyvinylchloride
7.2. Wall Thickness: 0.015"
7.3. Diameter: 0.187"
7.4. Color: Black
7.5. Ripcord: Nylon Ripcord
7.6. Weight: 29 lbs/Mft

8. Markings

8.1. Type: Cable permanently identified via surface inkjet print
8.2. Legend: AVALANCHE PLENUM AMX AX-LINK™ CABLE ROOM A B C D E 0 1 2 3 4 5 6 7 8 9
E171197 18AWG 2C NETWORK & 22AWG 1PR SHLD DATA (UL) CMP C(UL)US OR
(UL) CL3P 75°C FT-6 "ROHS" (WO NUMBER)
8.3. Footage Markers: Yes

9. Nominal Electrical Characteristics

9.1. Characteristic Impedance:	22AWG: 105 Ω	-	18AWG: 55.2 77 Ω
9.2. Mutual Capacitance:	22AWG: 12.5 pF/ft	-	18AWG: 36.76 pF/ft
9.3. DC Resistance:	22AWG: 14.8 Ω/Mft @ 20°C	-	18AWG: 6.39 Ω/Mft @ 20°C

10. Standards

10.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
10.2. UL listed as Type CL3P per UL Standard 13 or as type CMP c(UL)us 75°C FT-6 per UL Standard 444
10.3. All materials used in the manufacture of this cable are RoHS compliant
10.4. Recommended Operating Voltage: 300V
10.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION