



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

Part #: AVAXLINK-00
Axlink System Specific

Description: Two element composite cable, 2 conductors 18 AWG unshielded with PVC insulation, 1 Pair 22AWG shielded, with Foam PE insulation, constructed with stranded bare copper, and an overall PVC jacket for data / communications and controls applications manufactured in the USA and (UL) listed CL3 or CM c(UL)us 75° C.

Element 1: 18 AWG, 2 Conductors Unshielded, Insulated with Polyvinylchloride

1. Conductor

1.1. AWG & Stranding:	18 AWG, 7 Strands
1.2. Material:	Annealed Bare Copper
1.3. Conductor Count:	2 Conductors
1.4. D.C. Resistance:	6.39 Ω /MFT

2. Insulation

2.1. Material:	Polyvinylchloride (PVC)
2.2. Wall Thickness:	0.007"
2.3. Color Code:	Black, Red

Element 2: 22 AWG, 1 Pair Shielded, Insulated with Foam Polyethylene

3. Conductor

3.1. AWG & Stranding:	22 AWG, 7 Strands
3.2. Material:	Annealed Bare Copper
3.3. Conductor Count:	1 Pair
3.4. D.C. Resistance:	14.8 Ω /MFT

4. Insulation

4.1. Material:	Foam Polyethylene (PE)
4.2. Wall Thickness:	0.020" Capacitance: 12.5 pF/ft
4.3. Impedance:	105 Ω /Mft
4.4. Color Code:	Blue, White

5. Assembly

5.1. Pair Lay Length:	3.50" LHL Nominal
5.2. Pair Shield:	Aluminum/Mylar Tape - 100% Coverage
5.3. Pair Drain Wire:	24AWG, 7 Strand Tinned Copper

Overall Cable:

6. Assembly - Elements 1 & 2

- 6.1. Cable Lay Length: 3.50" LHL Nominal
- 6.2. Cable Fillers: Not required

7. Jacket

- 7.1. Material: Polyvinylchloride (PVC)
- 7.2. Wall Thickness: 0.035"
- 7.3. Diameter: 0.245"
- 7.4. Color: Black
- 7.5. Ripcord: Nylon Ripcord
- 7.6. Weight: 38 lbs/Mft

8. Markings

- 8.1. Type: Cable shall be permanently identified via surface inkjet print
- 8.2. Legend: AVALANCHE MFG. FOR 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 1PAIR SHLD DATA (UL)
CM C(UL)US OR C(UL)US CL3 75'C (WORK ORDER #) "ROHS"
- 8.3. Footage Makers: Yes

9. Standards

- 9.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
- 9.2. UL listed as Type CM per UL standard 444 or CL3 per UL Standard 13
- 9.3. All materials used in the manufacture of this cable are RoHS compliant
- 9.4. Recommended Operating Voltage: 300V
- 9.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION