

AXLINK™ LOW CAP ON DATA PAIR - PLENUM

18 AWG 1P Stranded BC + 22 AWG 1P Stranded BC Shielded (Data)

10/27/2006 REV 1.0



PART NUMBER: 181AMXLR-B

DESCRIPTION: 18 AWG 1 PAIR STRANDED 41/34 BARE COPPER, SMOKEGUARD PVC INSULATION; PLUS 22 AWG 1 PAIR STRANDED 16/34 BARE COPPER, LOW CAPACITANCE, DATA, ALUMINUM FOIL MYLAR SHIELD, 24 AWG 7/32 TINNED COPPER DRAIN, FEP INSULATION, NYLON RIPCORD, OVERALL SMOKEGUARD PVC JACKET; UL CL3P/FT-6

1ST COMPONENT:

PHYSICAL CHARACTERISTICS:

CONDUCTOR/PAIR COUNT: 2 CONDUCTORS, 1 PAIR
CONDUCTOR MATERIAL: BARE COPPER
GAUGE & STRANDING: 18 AWG 41/34
COLOR CODE: BLACK, RED
INSULATION MATERIAL: SMOKEGUARD PVC
INSULATION THICKNESS: .010"

ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE: 59.05 OHMS
VELOCITY OF PROP.: 50.60%
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1 KHZ: 33.9 pF/FT
NOM. CONDUCTOR OF DC RESISTANCE @ 20 DEG. C: 6.37 OHMS/1000 FT.

2ND COMPONENT:

PHYSICAL CHARACTERISTICS:

CONDUCTOR/PAIR COUNT: 2 CONDUCTORS, 1 PAIR
CONDUCTOR MATERIAL: BARE COPPER
GAUGE & STRANDING: 22 AWG 16/34
COLOR CODE: BLUE, WHITE
INSULATION MATERIAL: FEP
INSULATION THICKNESS: .0165"
SHIELD: ALUM FOIL MYLAR, MYLAR OUT, FOIL IN
DRAIN: 24 AWG 7/32 TINNED COPPER

ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE: 95 OHMS
VELOCITY OF PROP.: 82%
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1 KHZ: 18.6 pF/FT
NOM. CONDUCTOR OF DC RESISTANCE @ 20 DEG. C: 16.33 OHMS/1000 FT.

OVERALL:

PHYSICAL CHARACTERISTICS:

JACKET MATERIAL & THICKNESS: SMOKEGUARD PVC .020"
JACKET COLOR: BLACK WITH YELLOW STRIPE
OUTSIDE DIAMETER: .202"
RIPCORD: NYLON
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
PACKAGING: REELS
COPPER WEIGHT: 12.03 LBS./1000 FT.
SHIPPING WEIGHT: 37 LBS./1000 FT.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS

UL CRITERIA:

UL TYPE OR STYLE: CL3P / FT-6

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NOTES:

1. Semi-tubed jacket with matte finish.
2. Footage markers printed every two feet.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.