PIC DataMATES®

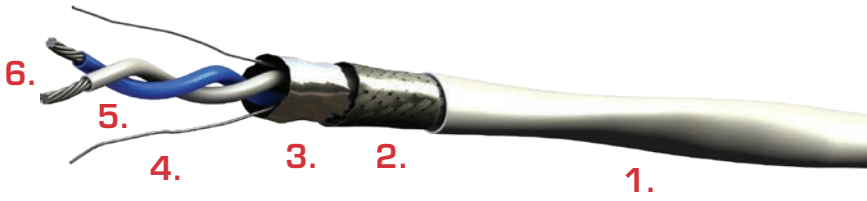
PRODUCT BULLETIN

PIC D10226-0

26 AWG, 120 OHM, 1 PAIR CANBUS CABLE

CABLE CONSTRUCTION

1. Fluoropolymer Jacket (White) Laser Markable
2. Silver-Plated Copper Braided Shield
3. Fluoropolymer Binder
4. Fluoropolymer Fillers
5. Foamed Fluoropolymer Insulation
6. Silver-Plated High Strength Copper Alloy Conductors



COLOR CODES

Blue, White

A Controller Area Network (CAN Bus) is a robust vehicle bus standard designed to allow micro-controllers and devices to communicate with each other in applications without a host computer. D10226-0 is a 120 Ohm controlled impedance cable designed to meet the high electrical demand of a CAN Bus cabling system.

D10226-0 incorporates design features that provide maximum electrical performance with high strength copper alloy conductors and silver plated copper shields. A foamed Fluoropolymer wire insulation is used to reduce signal loss and weight for longer lengths. Its laser markable jacket passes EN3475-503 scrape abrasion testing and is also flexible for ease of installation.

The D10226-0 cable materials are rugged and high temperature (+200°C) that pass the immersion (fluid) test for MIL-DTL-17H, Section 3.7.26 and EN3475-411. It is RoHS compliant, passes the FAA flammability requirements of FAR Part 23 and 25, and passes the Airbus and Boeing toxicity requirements.

PHYSICAL DATA

• Conductors	26 AWG (19/38) Stranded SPCA
• Shield Coverage	95% (Braid)
• Operating Temperature	-55° to +200°C
• Outer Diameter: in (mm)	0.145 (3.68)
• Minimum Bend Radius: in (mm)	0.70 (17.78)
• Weight: lbs/100 ft (kg/100 m)	1.5 (2.2)

ELECTRICAL DATA

• Impedance: ohms	120
• Capacitance: pF/ft (m)	13.7 (44.9)
• Velocity of Propagation: %	80.0
• Dielectric Voltage Rating (kV RMS)	0.9
• DC Resistance: ohms/1000 ft (m) Max	44.8 (147.0)
• Attenuation: dB/100 ft (m) @ 1 MHz Max	0.9 (3.0)

All values nominal unless otherwise noted