PIC DataMATES®

PRODUCT BULLETIN

PIC D620222

70 OHM CONTROLLED IMPEDANCE CABLE

CABLE CONSTRUCTION

1. ETFE Jacket (White) Laser Markable
2. Tin-Plated Copper Braided Shield
3. ETFE Insulation
4. Tin-Plated Copper Conductors

COLOR CODES

White, Blue

This special cable is designed for use in ARINC 429 data bus systems. This cable has been designed with a high temp, laser-markable white ETFE jacket which saves time, eliminating the need to label the cable every 6 inches or so as required by numerous cabling standards.

D620222 is Skydrol resistant, RoHS compliant and passes the FAA flammability requirements of FAR Part 23 and 25, Appendix F. Test results are available upon request.

PHYSICAL DATA

• Conductors	22 AWG Stranded TPC
• Shield Coverage	95% Min.
• Operating Temperature	-55° to +150°C
• Outer Diameter: in (mm)	0.16 (4.06)
• Minimum Bend Radius (in.)	0.80 (20.32)
• Weight: lbs/100 ft (kg/100 m)	2.0 (3.0)

ELECTRICAL DATA

• Impedance: ohms	70
• Capacitance: pF/ft (m)	24.0 (78.7)
• Velocity of Propagation: %	70.0
• Dielectric Voltage Rating (kV RMS)	1.5
• DC Resistance: ohms/1000 ft (m) Max	15.8 (51.8)
• Attenuation: dB/100 ft (m) @ 1 MHz Max	1.2 (3.9)

All values nominal unless otherwise noted