

CABLE CONSTRUCTION

1. ETFE Jacket (White) Laser Markable
2. Solid PTFE Fillers
3. FEP Insulation
4. Silver-Plated Copper Conductors

COLOR CODES

Blue, White

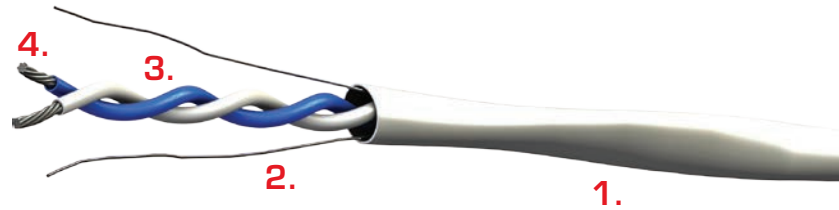
This cable has been specially designed by PIC for airborne 10 and 100 Base-T High Speed Data applications. The cable is unshielded and designed for specific entertainment systems not requiring shielding. Without the shield, termination time and weight are reduced.

Data transmission aboard aircraft faces a more severe environment than conventional LAN systems in commercial buildings, hence special measures have been taken to preserve technical performance.

Each conductor is surrounded by solid FEP. Silver-plated copper stranded conductors assure uniform conductivity with excellent solderability and flexibility. An ETFE laser wire markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

E60224 exceeds ANSI/TIA-568-C.2 Channel Requirements. It 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.

PIC  **DataMATES® PLUS**



PHYSICAL DATA

• Conductors	24 AWG Stranded SPC
• Operating Temperature	-55° to +200°C
• Outer Diameter: in (mm)	0.10 (2.59)
• Minimum Bend Radius: in (mm)	0.60 (15.24)
• Weight: lbs/100 ft (kg/100 m)	0.9 (1.3)

ELECTRICAL DATA

• Impedance: ohms	100
• Capacitance: pF/ft (m)	14.5 (47.6)
• Velocity of Propagation: %	70.0
• Dielectric Voltage Rating (kV RMS)	1.5
• DC Resistance: ohms/1000 ft (m) Max	28.5 (93.5)
• Attenuation: Nom / Max	dB/100 ft (dB/100 m)
• @10 MHz	1.9 / 2.4 (6.2 / 7.9)
• @100 MHz	7.2 / 8.0 (23.6 / 26.2)

All values nominal unless otherwise noted

