

CABLE CONSTRUCTION

1. ETFE Jacket (White) Laser Markable
2. Tin-Plated Copper Braided Shield
3. Foil Shield
4. Silver-Plated Copper Drain Wire
5. PTFE Tape Filler
6. Extruded Fluoropolymer Insulation
7. Silver-Plated Copper Conductors

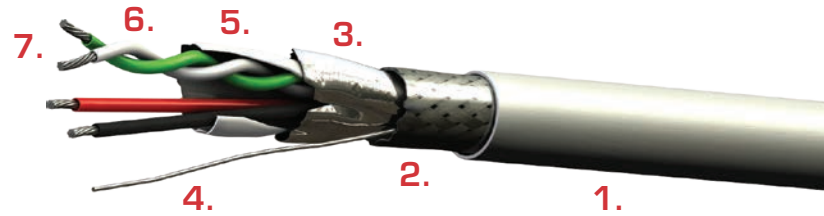
COLOR CODES

Data Pair: White, Green
 Power Wires: Red, Black

This cable has been specially designed by PIC for Airborne USB 2.0 high speed applications. The 100% foil and 80% braided shielding provides for further protection against EMI. This advanced design will allow cable runs up to 18 feet.

USB2422 meets or exceeds all EIA-364-XX specifications. It is Skydrol resistant, RoHS compliant and meets the FAA flammability requirements of FAR Part 23 and 25, Appendix F.

Contact PIC Wire & Cable for connector availability and to inquire about pre-assembled, tested cable assemblies.



PHYSICAL DATA

- Conductors
 - Data Pair 24 AWG Stranded SPC
 - Power Wires 22 AWG Stranded SPC
 - Drain Wire 28 AWG Stranded SPC
- Shield Coverage 100% (Foil), 80% (Braid)
- Operating Temperature -55° to +150°C
- Outer Diameter: in (mm) 0.18 (4.57)
- Minimum Bend Radius: in (mm) 1.00 (25.40)
- Weight: lbs/100 ft (kg/100 m) 2.4 (3.6)

ELECTRICAL DATA

Data pair

- Impedance: ohms 90
- Time Delay: ns/ft (m) 1.39 (4.56)
- Capacitance: pF/ft (m)
 - Cond. to Cond. 13.0 (42.7)
 - Cond. to Shield 21.0 (68.9)
- Attenuation: dB/100 ft (m) Max
 - @ 96 MHz 9.0 (29.5)
 - @ 200 MHz 15.1 (49.6)
 - @ 400 MHz 27.4 (89.9)

Power wires

- DC Resistance: ohms/1000 ft (m) Max 15.2 (49.9)

All values nominal unless otherwise noted