

## CABLE CONSTRUCTION

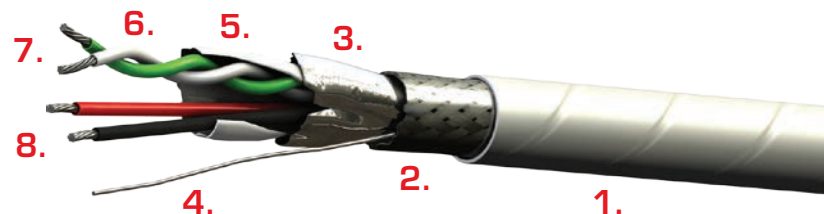
1. PTFE Tape Jacket (Laser Markable)
2. Silver-Plated Copper Shield
3. Inner Foil Shield
4. Drain Wire
5. PTFE Tape Binder
6. PFA Insulation
7. Silver-Plated High Strength Copper Alloy Conductors
8. Silver-Plated Copper Power Conductors

## COLOR CODES

Data Pair: White, Green  
 Power Pair: 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.

USB2624 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.



## PHYSICAL DATA

- Conductors
  - Data Pair 26 AWG Stranded SPCA
  - Power Pair 24 AWG Stranded SPC
  - Drain Wire 28 AWG Stranded SPC
- Insulation Extruded PFA
- Shield Coverage 100% (Foil), 80% (Braid)
- Operating Temperature -55° to +200°C
- Outer Diameter: in (mm) 0.16 (4.17)
- Minimum Bend Radius: in (mm) 0.50 (12.70)
- Weight: lbs/100 ft (kg/100 m) 2.2 (3.3)

## ELECTRICAL DATA

### Data pair

- Impedance: ohms 90
- Time Delay: ns/ft (m) 1.48 (4.86)
- 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 10.0 (32.8)
  - @ 200 MHz 12.8 (42.0)
  - @ 400 MHz 18.2 (59.7)

### Power pair

- DC Resistance: ohms/1000 ft (m) Max 25.0 (82.0)

All values nominal unless otherwise noted  
 Contact PIC Wire for Assembly Information

