



PIC DataMATES® have been specially designed 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.

Our USB cables meet or exceed all EIA-364-XX specifications. They are Skydrol resistant, RoHS compliant and meet the FAA flammability requirements of FAR Part 23 and 25, Appendix F.

Let PIC Wire Solve your USB Needs:

- Meets USB 2.0 up to 18 feet
- Laser Markable
- Quick Turn Assemblies

AEROSPACE USB SOLUTIONS

Physical and Electrical Data

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

| USB Cable | Conductor | Attenuation dB/100 ft (m) max | Time Delay ns/ft (m) | Cable O.D. in (m) | Minimum Bend Radius in (m) | Weight lbs/100 ft (m) | Temperature Range (°C) | DC Resistance ohms/1000 ft (m) |
|-----------|--|---|-------------------------|----------------------|-------------------------------|--------------------------|---------------------------|-----------------------------------|
| USB2624 | Data: 26 AWG SPCA Power: 24 AWG Drain Wire: 28 AWG Stranded SPC | @ 96 MHz: 10.0 (32.8) @ 200 MHz: 12.8 (42.0) @ 400 MHz: 18.2 (59.7) | 1.48 (4.86) | 0.16 (4.17) | 0.50 (12.70) | 2.2 (3.3) | -55/+200 | 25.0 (82.0) |
| USB2422 | Data: 24 AWG Power: 22 AWG Drain Wire: 28 AWG Stranded SPC | @ 96 MHz: 9.0 (29.5) @ 200 MHz: 15.1 (49.6) @ 400 MHz: 27.4 (89.9) | 1.39 (4.56) | 0.18 (4.57) | 1.00 (25.40) | 2.4 (3.6) | -55/+150 | 15.2 (49.9) |