



PIC DataMATES® include high speed data cables specially designed for Airborne USB 2.0 and 3.1 applications with support for data transmission up to 10 gigabits. Cables are engineered to provide strong shielding protection against EMI to ensure signal integrity and system reliability. In addition to robust electrical characteristics, cables feature tape wrapped jackets for applications requiring lightweight, flexible and laser markable solutions.

USB cables are optimized for a variety of civil and military aerospace data applications:

- In-flight Entertainment
- Mobile Shelters
- High Definition Video
- Ground Vehicles

PIC Wire & Cable's® aircraft cable assembly services for USB cables and connectors will optimize electrical performance and streamline the installation process by simplifying the complex USB cable termination process for technicians in the field.

## AEROSPACE USB SOLUTIONS

### Physical and Electrical Data

All values nominal unless otherwise noted

Part Number	Data Conductors	Speed	Description	Weight lbs/100 ft (kg/100m)	Bend Radius in (m)	O.D. in (m)	Attenuation dB/100 ft (m) max
USB3-2624	26/24 AWG SPCA	USB 3.1	26 AWG Data Wires and 24 AWG Power Wires with flexible tape wrapped, laser markable jacket	3.4 (5.1)	2.00 (50.80)	0.20 (5.08)	625 MHz: 1.07 (3.51) 1.25 GHz: 1.52 (4.99) 2.50 GHz: 2.24 (7.35) 5.00 GHz: 3.38 (11.09) 7.50 GHz: 4.60 (15.09)
USB3-2624-9	26/24 AWG SPCA	USB 3.1	26 AWG Data Wires and 24 AWG Power Wires with ETFE laser markable jacket	3.6 (5.4)	2.00 (50.80)	0.22 (5.59)	625 MHz: 1.07 (3.51) 1.25 GHz: 1.52 (4.99) 2.50 GHz: 2.24 (7.35) 5.00 GHz: 3.38 (11.09) 7.50 GHz: 4.60 (15.09)
USB2624	26/24 AWG SPCA	USB 2.0	26 AWG Data Wires and 24 AWG Power Wires with flexible tape wrapped, laser markable jacket	2.2 (3.3)	0.50 (12.70)	0.16 (4.17)	96 MHz: 10.0 (32.8) 200 MHz: 12.8 (42.0) 400 MHz: 18.2 (59.7)
USB2422	26/24 AWG SPC	USB 2.0	24 AWG Data Wires and 22 AWG Power Wires with ETFE laser markable jacket	2.4 (3.6)	1.00 (25.40)	0.18 (4.57)	96 MHz: 9.0 (29.5) 200 MHz: 15.1 (49.6) 400 MHz: 27.4 (89.9)

Materials Key: SPC – Silver-Plated Copper, SPCA – Silver-Plated Copper Alloy