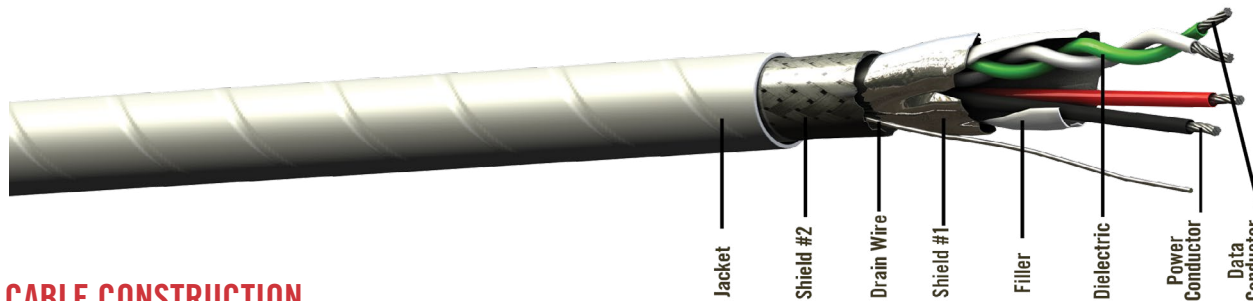


USB2624



CABLE CONSTRUCTION

- Data Conductor:** Silver-Plated High Strength Copper Alloy
- Power Conductor:** Silver-Plated Copper
- Dielectric:** PFA
- Filler:** PTFE Tape
- Drain Wire:** Silver-Plated Copper
- Shield #1:** Aluminum/Polyimide Foil
- Shield #2:** Silver-Plated Copper Braid
- Jacket:** PTFE, White (Laser Markable)

COLOR CODES

- Data Pair:** White, Green
- Power Pair:** Red, Black

The USB2624 is a USB 2.0 cable specially designed for airborne application. The USB2624's twisted-pair construction of silver-plated copper conductors is surrounded by PFA insulation. The 100% foil and 80% braided shielding assure uniform conductivity with excellent solderability, further protecting against EMI. The PTFE laser markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation. USB2624 meets or exceeds all EIA-364-XX specifications.

PHYSICAL DATA

- Conductors:**
 - Data Pair: 26 AWG Stranded SPHSCA
 - Power Wires: 24 AWG Stranded SPC
 - Drain Wire: 28 AWG Stranded SPC
- Shield Coverage:** 100% (Foil), 80% (Braid)
- Temperature Range:** -55 to +200°C
- Outer Diameter:** in (mm) 0.164 (4.17)
- Minimum Bend Radius:** in (mm) 0.5 (12.7)
- Weight:** lbs/100 ft (kg/100 m) 2.2 (3.27)

ELECTRICAL DATA

- Impedance:** 90 ohms
- Capacitance:** pF/ft (m)
 - Conductor to Conductor: 13.0 (42.7)
 - Conductor to Shield: 21.0 (68.9)
- Time Delay:** nS/ft (nS/m) 1.48 (4.86)
- DC Resistance:** (ohms/1000 ft.) (m)
 - Power Pair: 25.0 (82.0)

ENVIRONMENTAL DATA

- Skydrol Resistant:** SAE AS4373E, Method 601
- RoHS Compliant:** RoHS Directive 2002/95/EC
- Flame / Smoke Requirements:** FAR Part 25.869 (a) App. F, Part 1, (a)(3)
- Berry Specialty Metals Compliance:** Complies with DFARS 252.225-7014, Alt 1

ATTENUATION DATA

Frequency	Nom/Max dB/ft	Nom/Max (dB/m)
@96 MHz	0.09/0.10	(0.30/0.33)
@200 MHz	0.12/0.13	(0.38/0.42)
@400 MHz	0.16/0.18	(0.54/0.60)

All values nominal, unless otherwise noted

USB2624
USB 2.0 CABLE

