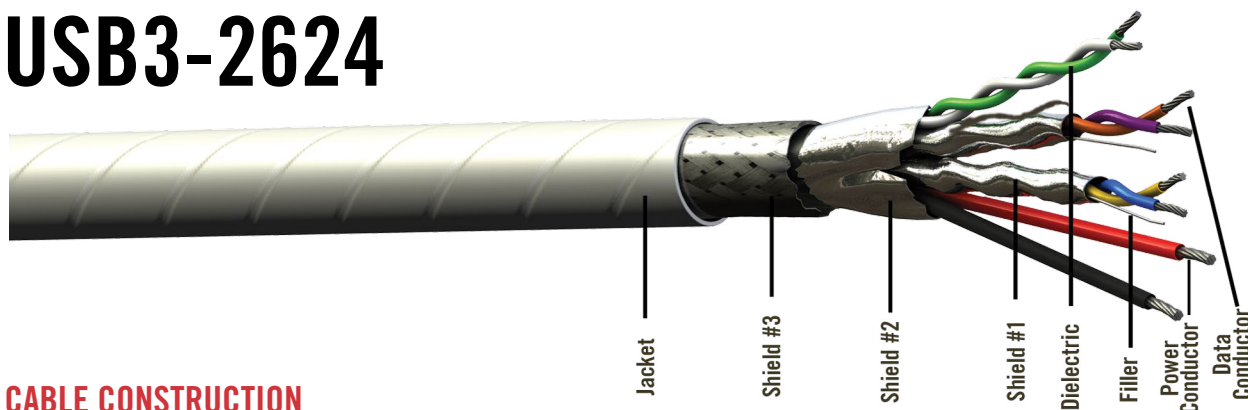


USB3-2624



CABLE CONSTRUCTION

Unshielded Conductor: Silver-Plated High Strength Copper Alloy
Shielded Conductor: Silver-Plated High Strength Copper Alloy
Drain Wire: Silver-Plated Copper
Dielectric: PFA
Power Conductor: Silver-Plated High Strength Copper Alloy

Shield #1: Aluminum/Polyimide Foil (ea. pair)
Shield #2: Aluminum/Polyimide Foil
Shield #3: Silver-Plated Copper Braid
Jacket: PTFE, White (Laser Markable)

COLOR CODES

Twisted Data Pair: White, Green
Shielded Data Pair #1: Violet, Orange

Shielded Data Pair #2: Yellow, Blue
Power Pair: Red, Black

The USB3-2624 is a USB 3.1 cable specially designed for high speed airborne applications and delivers performance up to 10Gb. The USB3-2624 cable will perform as a USB 3.1 & USB 3.0 cable solution and is also backwards compatible for USB 2.0. It's twisted-pair construction of silver-plated copper conductors is surrounded by PFA insulation and 100% foil and 80% braided shielding assure uniform conductivity with excellent solderability, further protecting against EMI. An PTFE laser-markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

PHYSICAL DATA

Conductors:
 Data Pair: 26 AWG Stranded SPHSCA
 Power Wires: 24 AWG Stranded SPHSCA
 Drain Wire: 28 AWG Stranded SPC
Shield Coverage: 100% (Foil), 80% (Braid)
Temperature Range: -55 to +200°C
Outer Diameter: in (mm) 0.209 (5.31)
Minimum Bend Radius: in (mm) 2.0 (50.8)
Weight: lbs/100 ft (kg/100 m) 3.4 (5.06)

ELECTRICAL DATA

Impedance: 90 ohms
Capacitance: pF/ft (m)
 Conductor to Conductor: 16.7 (55.00)
Time Delay: nS/ft (nS/m) 1.46 (4.79)
DC Resistance: (ohms/1000 ft.) (m)
 Power Pair: 28.4 (93.2)

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)
@625 MHz	0.3/0.3	(1.0/1.1)
@1250 MHz	0.4/0.5	(1.4/1.5)
@2500 MHz	0.6/0.7	(2.0/2.2)
@5000 MHz	0.9/1.0	(3.0/3.4)
@7500 MHz	1.3/1.4	(4.1/4.6)

All values nominal, unless otherwise noted

USB3-2624 USB 3.1 CABLE

