

Power + Data = 1 Cable... No Problem!

Harbour Industries DataMaster AeroUSB™ 3.1



Harbour knows the importance of listening to the airlines demands to keep them on the cutting edge. Ideally airlines want to offer their passengers the ability use their phones, laptops to download their IFE content of choice and have the ability to charge all these devices in flight! Meet Harbour's AeroUSB™ 3.1 cable that delivers up to 10 gigabits of high speed data transfer performance with the ability to charge personal devices quickly and effectively!

Proprietary Fluoropolymer Insulation:

By using Harbour's proprietary Fluoropolymer insulation our USB 3.1 meets all requirements for smoke, flame and toxicity while providing a cable that is both and lightweight and flexible!

High Temperature Performance:

Airworthy performance of AeroBIT 8™ at extreme temperatures from - 55°C to 200°C provides crucial and trusted reliability demanded by the FAA and aircraft manufacturers.

AeroUSB™ 3.1 Applications

- In-Flight Entertainment Systems
- Personal Electronic Devices
- Data Transfer
- Powering USB ports
- Digital video



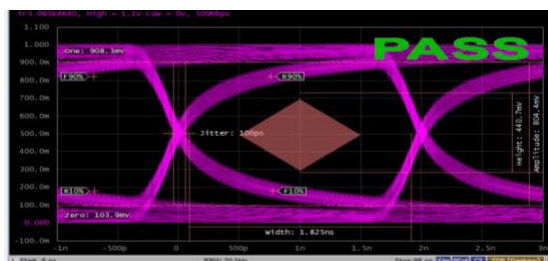
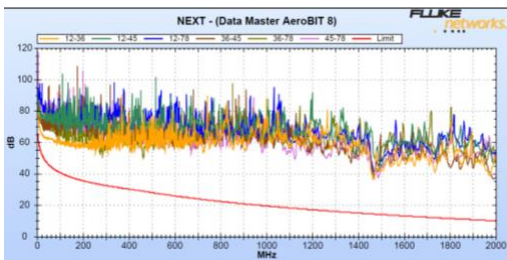
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Physical Characteristics

Part Number	AWG Size	Conductor	Dielectric	Nominal Outer Diameter (In.)	Color Code	Jacket	Weight lbs./per 1000'	Minimum Bend Radius
E09026204	26 (19/38)	Silver plated copper alloy	Proprietary Fluoropolymer	0.222" nom	Blue-White/Blue - Brown-White/Brown White/Orange - Green-White/Green	Blue FEP	48lbs. nom.	1.45"
E10026243	26 (19/38)	Silver plated copper alloy	Proprietary Fluoropolymer	0.230 (In.)	Blue-White/Blue - Brown-White/Brown White/Orange - Green-White/Green	Blue FEP (Tape Wrapped?)	32lbs. nom.	1.15"

Electrical Characteristics

Part Number	Impedance	Capacitance	Velocity of Propagation	Typical Attenuation dB/100 ft.					
				10 MHz	100 MHz	250 MHz	500 MHz	1000 MHz	2000 MHz
E09026204	90 ohms	13.0 pF/Ft nom	80% nom.	2.1 (dB/100')	7.2 (dB/100')	11.6 (dB/100')	16.7 (dB/100')	24.4 (dB/100')	36.3 (dB/100')
E10026243	90 ohms	13.0 pF/Ft nom	80% nom.	3.0 (dB/100')	8.2 (dB/100')	13.7 (dB/100')	20.5 (dB/100')	28.1 (dB/100')	41 (dB/100')



Advance Technology

- Low Density Composite Fluoropolymer with skin stripe technology.
- Individually shielded pair for maximized isolation.
- Match velocity's for open eye response to support high data rates.

Harbour's Aerospace Grade Category 8 supporting Full Duplex 40GBASE-T applications

- 4 Time the Data Rate (2GHz vrs 500MHz)
- Complies with cable standard ANSI/TIA 568 Category 8 Channel.
- Exceeds performance standard of AS6070/6
- Supports Signal speeds up to 40 Gbs (cable lengths 28 to 32 meters)
- Meets FAR 25, Appendix F, Part1, BSS7238 and ABD0031



