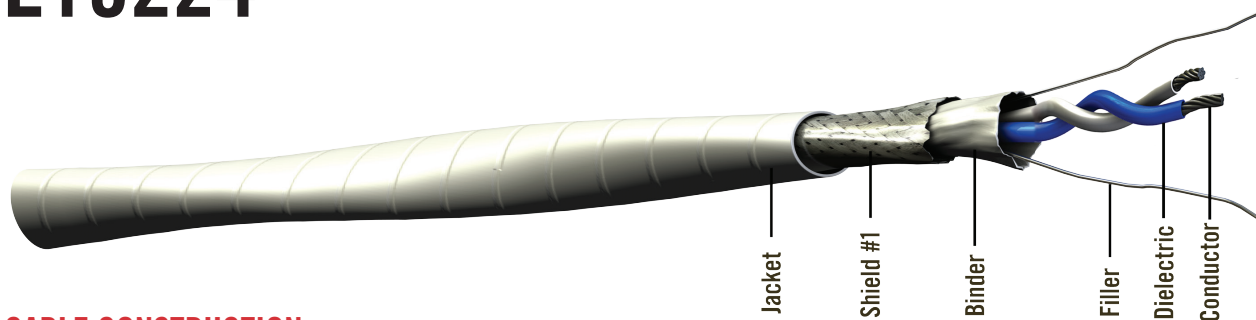


E13224



CABLE CONSTRUCTION

Conductors: Silver-Plated High Strength Copper Alloy
Dielectric: PFA
Binder: PTFE Tape
Fillers: Fluoropolymer

Shield #1: Silver-Plated Copper Braid
Jacket: PTFE, White (Laser Markable)

COLOR CODES

Pair #1: White/Blue

The E13224 is a 1 pair, 10/100 Base-T CAT5e cable (exceeding ANSI/TIA-568-C.2 CAT 5e Channel Requirements) with a smaller overall diameter and weight while retaining performance and required operating parameters up to 328 ft. The twisted-pair construction (two separate pairs) of silver-plated copper conductors assures uniform conductivity with excellent solderability. Its 80% braided shielding provide mechanical strength and EMI protection yet maintain weight and flexibility. A durable PTFE laser-markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation. E13224 is suitable for airborne 10/100 Base-T CAT5e Local Area Network applications such as cabin management systems (CMS), in-flight entertainment (IFE), and Ethernet backbones.

PHYSICAL DATA

Conductor: 24 AWG Stranded SPHSCA
Shield Coverage: 80% (Braid)
Temperature Range: -55 to +200°C
Outer Diameter: in (mm) 0.168 (4.27)
Minimum Bend Radius: in (mm) 0.85 (21.59)
Weight: lbs/100 ft (kg/100 m) 2.2 (3.3)

ELECTRICAL DATA

Impedance: 100 ohms
Capacitance: pF/ft (m) 14.5 (47.6)
Velocity of Propagation: 70%
Dielectric Voltage Rating: (kV, RMS) 1.5
DC Resistance: ohms/1000 ft (m) 28.4 (93.2)
Max Distance: ft (m) 328 (100)

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/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.8/2.1	(5.9/6.9)
@100 MHz	5.8/7.0	(19.0/23.0)

All values nominal, unless otherwise noted

E13224 CAT 5E ETHERNET CABLE

