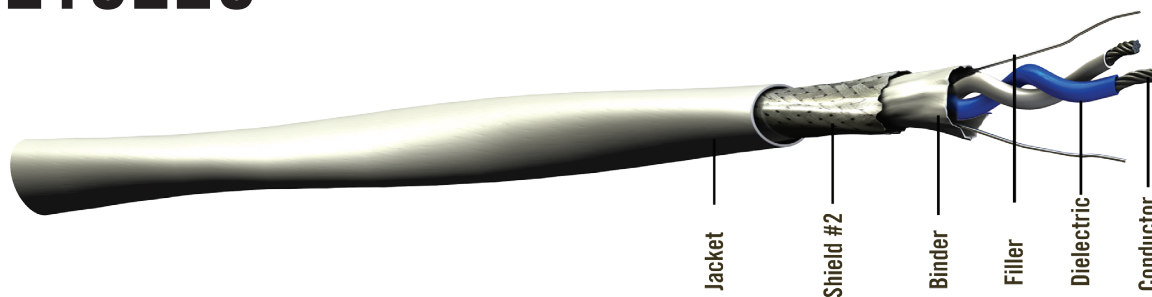


# E13226



## CABLE CONSTRUCTION

**Conductors:** Silver-Plated High Strength Copper Alloy  
**Dielectric:** PTFE or PFA  
**Binder:** PTFE Tape  
**Shield #1:** Silver-Plated Copper Braid

**Jacket:** PTFE, White (Laser Markable)  
**Fillers:** Fluoropolymer

## COLOR CODES

**Pair #1:** White/Blue

The E13226 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 224 ft. The twisted-pair construction of silver-plated high-strength copper alloy conductors assures uniform conductivity with excellent solderability. A durable ETFE laser-markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation. E13226 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:** 26 AWG Stranded SPHSCA  
**Shield Coverage:** 80% (Braid)  
**Operating Temperature:** -55 to +200°C  
**Outer Diameter:** in (mm) 0.134 (3.4)  
**Minimum Bend Radius:** in (mm) 0.4 (10.16)  
**Weight:** lbs/100 ft (kg/100 m) 1.7 (2.5)

## 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) 44.8 (147)  
**Max Distance\*:** ft (m) 224 (68)

## ENVIRONMENTAL DATA

**Skydrol Resistant:** YES  
**RoHS Compliant:** YES  
**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

Nom / Max	dB/100 ft	(dB/100 m)
@10 MHz	2.7/3.1	(8.9/10.2)
@100 MHz	8.7/10.5	(28.5/34.4)

*All values nominal, unless otherwise noted*

**E13226 CAT 5E ETHERNET CABLE**

