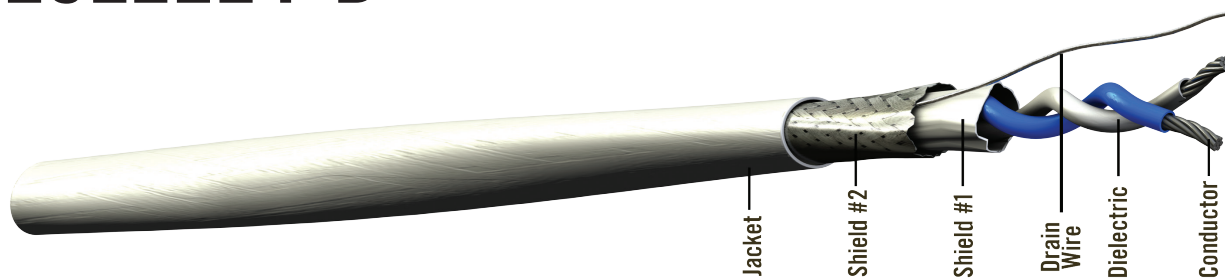


# E5E2224-D



## CABLE CONSTRUCTION

**Conductors:** Silver Plated High Strength Copper Alloy  
**Dielectric:** FEP  
**Shield #1:** Aluminum/Polyester Foil  
**Drain Wire:** 24 AWG Silver-Plated Copper

**Shield #2:** Silver-Plated Copper Braid  
**Jacket:** ETFE, White (Laser Markable)

## COLOR CODES

**Pair #1:** White/Blue

The E5E2224-D is a 1 pair, 10/100 Base-T CAT5e cable specially designed for airborne applications such as cabin management, in-flight entertainment, and internet backbones. The E5E2224-D's twisted-pair construction of silver-plated copper conductors assures uniform conductivity with excellent solderability. The 90% braided shielding assures uniform conductivity with excellent solderability, further protecting against EMI. An ETFE laser markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

## PHYSICAL DATA

**Conductor:** 24 AWG stranded SPHSCA  
**Shield Coverage:** 100% (Foil) 90% (Braid)  
**Operating Temperature:** -55°C to +200°C  
**Outer Diameter:** in (mm) 0.163 (4.14)  
**Minimum Bend Radius:** in (mm) 0.8 (20.32)  
**Weight:** lbs/100 ft (kg/100 m) 2.02 (3.01)

## ELECTRICAL DATA

**Impedance:** 100 ohms  
**Capacitance:** pF/ft 13  
**Velocity of Propagation:** 80%  
**DC Resistance:** ohms/1000 ft (m) 0.9  
**DC Resistance:** ohms/1000 ft 28.4  
**Max Distance\*:** ft (m) 305 (93)

## ENVIRONMENTAL DATA

**Skydrol Resistant:** YES, SAE AS4373E, Method 601  
**RoHS Compliant:** YES, 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	2.0/2.3	(6.6/7.5)
@100 MHz	6.0/7.8	(19.7/25.6)

*All values nominal, unless otherwise noted*

**E5E2224-D CAT 5E ETHERNET CABLE**

