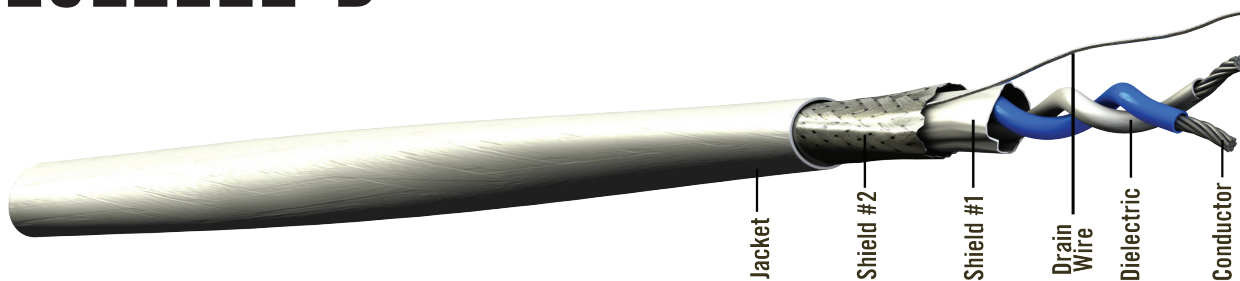


# E5E2222-D



## CABLE CONSTRUCTION

**Conductors:** Stranded Silver Plated Copper  
**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 E5E2222-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 E5E2222-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:** 22 AWG stranded SPC  
**Shield Coverage:** 100% (Foil) 90% (Braid)  
**Temperature Range:** -55°C to +200°C  
**Outer Diameter:** in (mm) 0.183 (4.64)  
**Minimum Bend Radius:** in (mm) 0.9 (22.86)  
**Weight:** lbs/100 ft (kg/100 m) 2.38 (3.51)

## ELECTRICAL DATA

**Impedance:** 100 ohms  
**Capacitance:** pF/ft (m) 13 (42.65)  
**Velocity of Propagation:** 80%  
**Dielectric Voltage Rating:** (kV, RMS) 0.9  
**DC Resistance:** ohms/1000 ft (m) 17.5 (57.4)  
**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   | 1.5/1.8             | (4.9/5.9)            |
| @100 MHz  | 5.4/7.3             | (17.7/24.0)          |

*All values nominal, unless otherwise noted*

**E5E2222-D CAT 5E ETHERNET CABLE**

