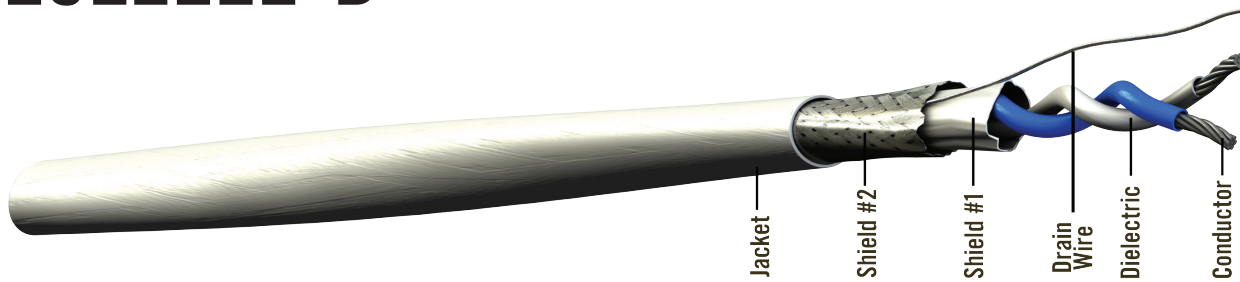


E5E2222-D



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

