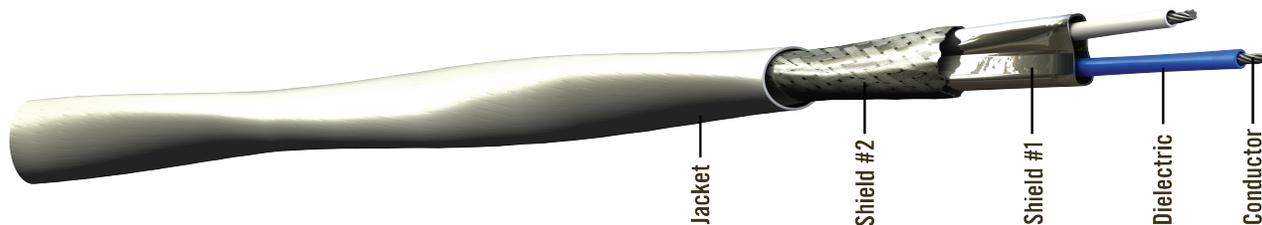


E10222



CABLE CONSTRUCTION

Conductors: Tin-Plated Copper

Dielectric: FEP

Shield #1: Aluminum/Polyester Foil

Shield #2: Tin-Plated Copper Braid

Jacket: ETFE, White (Laser Markable)

COLOR CODES

Pair #1: White/Blue

The E10222 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. The stranded tin-plated copper conductors protect against vibration, oxidation, and corrosion. Its 100% foil and 90% braided shielding provide mechanical strength and EMI protection and maintain weight and flexibility. A durable ETFE laser-markable jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation. E10222 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:	22 AWG Stranded TPC
Shield Coverage:	100% (Foil), 90% (Braid)
Temperature Range:	-55 to +150°C
Outer Diameter: in (mm)	0.19 (4.8)
Minimum Bend Radius: in (mm)	0.95 (24.13)
Weight: lbs/100 ft (kg/100 m)	2.3 (3.4)

ELECTRICAL DATA

Impedance:	100 ohms
Capacitance: pF/ft (m)	13 (42.7)
Velocity of Propagation:	80%
Dielectric Voltage Rating: (kV, RMS)	0.9
DC Resistance: ohms/1000 ft (m)	15.8 (51.8)
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	5.4/6.5	(17.7/21.3)

All values nominal, unless otherwise noted

E10222 CAT 5E ETHERNET CABLE

