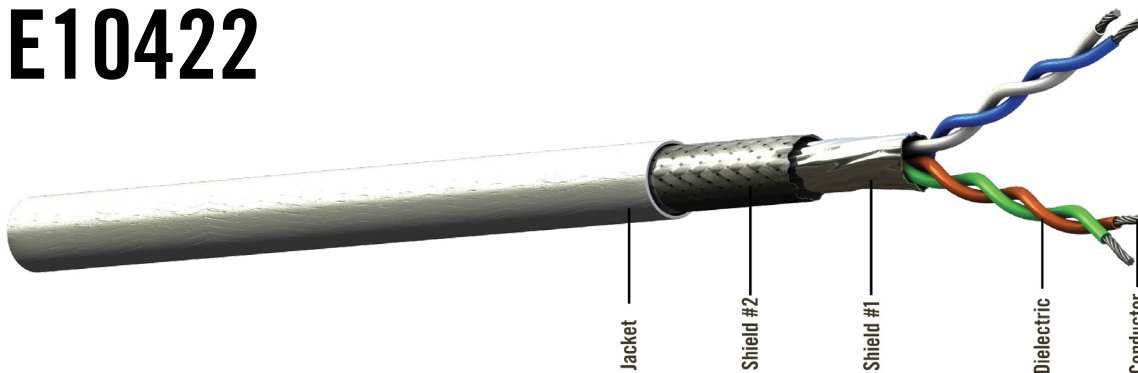


E10422



CABLE CONSTRUCTION

Conductors: Silver-Plated Copper

Dielectric: FEP

Shield #1: Aluminum/Polyester Foil

Shield #2: Silver-Plated Copper Braid

Jacket: ETFE, White (Laser Markable)

COLOR CODES

Pair #1: White/Blue

Pair #2: Orange/Green

The E10422 is a 2 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 328 ft. The twisted-pair construction of silver-plated 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. E10422 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 SPC
Shield Coverage:	100% (Foil), 90% (Braid)
Temperature Range:	-55 to +200°C
Outer Diameter: in (mm)	0.295 (7.49)
Minimum Bend Radius: in (mm)	2.8 (71.12)
Weight: lbs/100 ft (kg/100 m)	3.7 (5.5)

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)	15.2 (49.9)
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	1.4/1.7	(4.6/5.6)
@100 MHz	4.5/5.4	(14.8/17.7)

All values nominal, unless otherwise noted

E10422 CAT 5E ETHERNET CABLE

