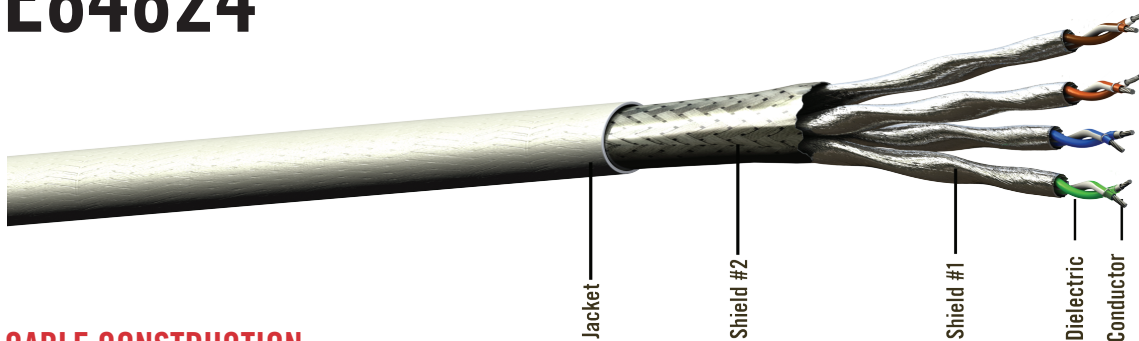


E84824



CABLE CONSTRUCTION

Conductor: Silver-Plated Copper Alloy
Dielectric: FEP
Shield #1: Aluminum/Polyester Composite
Shield #2: Silver-Plated Copper Braid

Jacket: ETFE, White (Laser Markable)

COLOR CODES

Pair #1: Blue/White w/Blue Stripe
Pair #2: Green/White w/Green Stripe

Pair #3: Brown/White w/Brown Stripe
Pair #4: Orange/White w/Orange Stripe

The E84824 is a 4-Pair, 40G Base-T Cat 8 Ethernet cable designed to meet the demands of today's high-speed data transmission applications. Our Cat8 cable features four pairs of twisted copper wires that are shielded with improved insulation to minimize crosstalk and interference, resulting in a stable, clear signal that enables lightning-fast data transmission with minimal signal degradation. The cable's improved shielding and insulation also make it suitable for longer cable runs. The cable is constructed with high-quality materials to ensure durability and reliability, and is built to last even under heavy usage. With its superior speed, bandwidth, signal quality, and reliability, the E84824 Ethernet cable is the perfect solution for all your high-speed networking needs.

PHYSICAL DATA

Conductor: 24 AWG Stranded SPCA
Shield Coverage: 90% (Braid)
Temperature Range: -55° to 200°C
Outer Diameter: in (mm) 0.28 (7.1)
Minimum Bend Radius: in (mm) 1.5 (38.1)
Weight: lbs/100 ft (kg/100 m) 4.6 (2.08)

ELECTRICAL DATA

Impedance: 100 ohms
Capacitance: pF/ft (m) 13.5 (44.3)
Velocity of Propagation: 75%
Dielectric Voltage Rating: (kV, RMS) Max 1.5
DC Resistance: ohms/1000 ft (m) 28.4 (93.2)
Max Distance: ft (m) 90 (27)

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
@100 MHz	6.6/7.2	(21.7/23.6)
@250 MHz	10.6/11.5	(34.8/33.0)
@500 MHz	15.2/16.6	(49.9/54.5)
@1000 MHz	21.6/24.4	(85.6/80.1)
@2000 MHz	32.3/36.3	(92.8/119.1)

All values nominal, unless otherwise noted

E84824 CAT 8 ETHERNET CABLE

CONTACTS/CONNECTORS FOR PART #E84824

PART #	CONTACT TYPE	TOOL PART #
111107	RJ45 Plug Connector (Shielded Cat 8)	110701 - Soft Jam Clamping Pliers
111109	RJ45 Panel Jack (Shielded Cat 8)	110701 - Soft Jam Clamping Pliers
111112	RJ45 Plug Connector (Shielded Cat 8)	110701 - Soft Jam Clamping Pliers