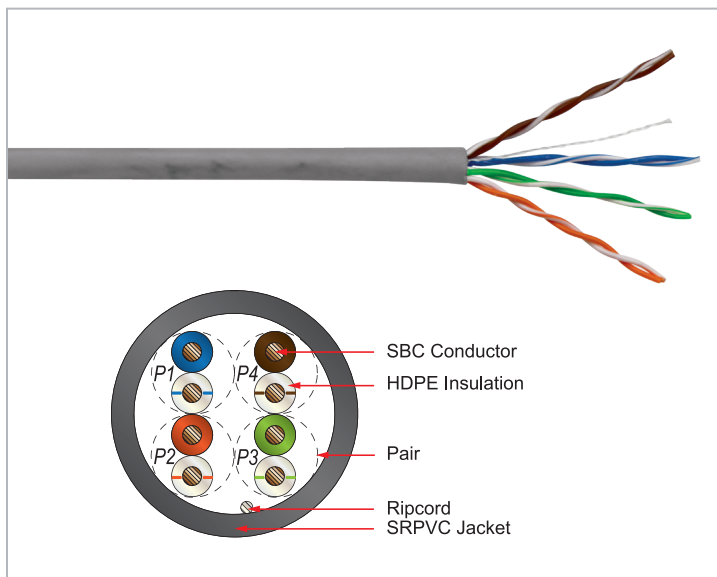




Cat 5e, 4 Pair, 24 AWG, UTP CMX Indoor / Outdoor Cable



Applications

Vericom Category 5e Unshielded Indoor / Outdoor cable supports 10BASE-T (Ethernet), 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, digital video, broadband/baseband analog video, and Voice over Internet Protocol (VoIP) for commercial or residential applications.

Description / Specifications

Vericom Category 5e Unshielded CMX Cables are designed to meet and exceed ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D electrical performance requirements for frequencies up to 100 MHz with test results to 350 MHz. The cable construction utilizes 24 AWG solid conductors insulated with HDPE in a four twisted pair unshielded configuration rated for indoor and outdoor applications.

Features & Benefits

- Cable meets ANSI/TIA-568.2-D for compatibility with all standard compliant components
- Differential twisted pairs to reduce crosstalk
- CMX rated for indoor and outdoor applications
- UL Listed and RoHS compliant to ensure safety requirements are met
- Tested to 350 MHz to ensure consistency past the standards limit of 100 MHz
- Cable marking starts at a 1000ft and displays remaining cable length for future use
- Pull box packaging to ease installation and storage

Standards Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEC 61156-5
- UL444
- RoHS Compliant
- Supports IEEE 802.3af/802.3at



Cat 5e, 4 Pair, 24 AWG, UTP CMX Indoor / Outdoor Cable

Ordering Information

Description		Packaging
Copper Cable, UTP, CAT5e, 4 Pair, CMX		1,000 ft Pull Box
Item No. Prefix	Item No. Suffix	Color
MBW5U-	03576	Gray

VERICOM (UL) C(UL) E346149-I TYPE CMX 75' 24AWG 4P CAT5E UTP ANSI/TIA-568.2-D ROHS COMPLIANT XXXXFT USED / XXXXFT REMAINING

Item # Example: MBW5U-03576 - Copper Cable, UTP, CAT5e, 4 Pair, CMX Rated, Gray, 1,000 ft Pull Box

Cable Marking

Construction

- Conductor Material:** 24 AWG Solid Bare Copper
- Insulation Material:** High Density Polyethylene (HDPE)
- Color Code :** BL & WH/BL, OR & WH/OR, GN & WH/GN, BR & WH/BR
- Ripcord:** Yes
- Jacket Material:** Semi-Rigid Polyvinyl Chloride (SRPVC)
- Jacket Color:** Specied By Item Number

Electrical

- Mutual Capacitance:** 5.6 nF/100m max
- DC Resistance:** 9.38 Ω/100m max
- DC Resistance Unbalance:** 5% max
- Capacitance Unbalance Pair-to-Ground:** 330 pF/100m max

Voltage

UL Voltage Rating: 300V

Environmental Conditions

Cold Bend Test: -20 °C 4 Hours No Cracking

Delay

- Maximum Delay:** 537 ns/100m @ 100 MHz
- Maximum Delay Skew:** 45 ns/100m
- Velocity of Propagation:** 68% nom

Physical

- Conductor Diameter:** 0.019 in. (0.49 mm)
- Insulated Conductor Diameter:** 0.035 in. (0.88 mm)
- Cable Diameter:** 0.189 in. (4.8 mm)
- Nom. Cable Weight:** 18.8 lb. (8.53 kg)
- Max. Installation Tension:** 25 lb. (110 N)
- Min. Bend Radius:** ≥ 4 times of overall diameter

Temperature

- UL Rating:** 75°C
- Operating:** -4 °F to 140 °F (-20 °C to 60 °C)
- Installation:** 32 °F to 140 °F (0 °C to 60 °C)
- Storage:** -4 °F to 167 °F (-20 °C to 75°C)

Transmission Performance (at 20 °C)

Freq. (MHz)	IL Max. (dB/100m)	NEXT Min. (dB)	PSNEXT Min. (dB)	ACR Min. (dB/100m)	PSACR Min. (dB/100m)	ACRF Min. (dB/100m)	PSACRF Min. (dB/100m)	RL Min. (dB/100m)	DOP Max. (NS/100m)	Delay Skew Max. (NS/100m)
1	2.0	65.3	62.3	68.26	65.26	63.8	60.8	20.0	570	45.00
4	4.0	56.3	53.3	57.22	54.22	51.7	48.7	23.0	552	
8	5.8	51.7	48.7	50.99	47.99	45.7	42.7	24.5	546	
10	6.5	50.3	47.3	48.83	45.83	43.8	40.8	25.0	545	
16	8.2	47.2	44.2	43.99	40.99	39.7	36.7	25.0	543	
20	9.3	45.8	42.8	41.52	38.52	37.8	34.8	25.0	542	
25	10.4	44.3	41.3	38.91	35.91	35.8	32.8	24.3	541	
31.25	11.7	42.9	39.9	36.15	33.15	33.9	30.9	23.6	540	
62.5	17.0	38.3	35.3	26.37	23.37	27.9	24.9	21.5	538	
100	22.0	35.3	32.3	18.33	15.33	23.8	20.8	20.1	537	
150	27.5	32.6	29.6	10.11	7.11	20.3	17.3	18.9	537	
200	32.4	30.8	27.8	3.36	0.36	17.8	14.8	18.0	536	
250	36.8	29.3	26.3	N.A.	N.A.	15.8	12.8	17.3	536	
300	41.0	28.1	25.1	N.A.	N.A.	14.2	11.2	16.8	536	
350	44.8	27.1	24.1	N.A.	N.A.	12.9	9.9	16.3	536	