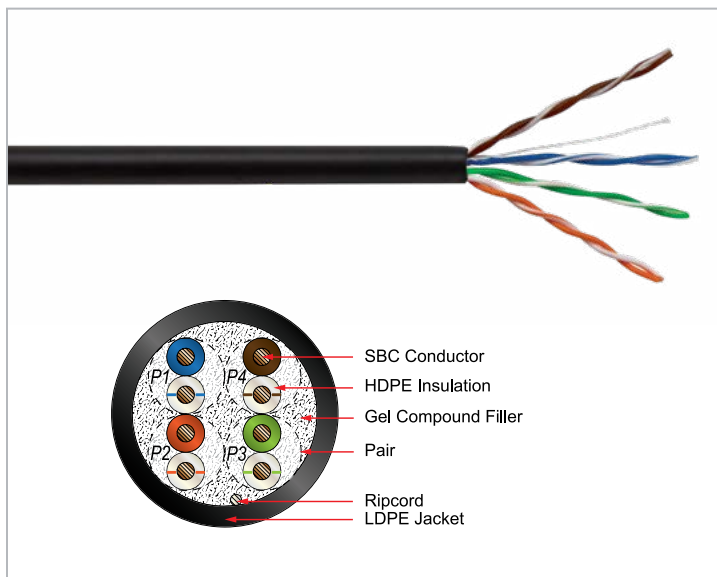




Cat 5e, 4 Pair, 24 AWG, UTP Direct Burial Gel Filled CMX Cable



Features & Benefits

- Cable meets ANSI/TIA-568.2-D for compatibility with all standard compliant components
- Differential twisted pairs to reduce crosstalk
- Gel compound filled with a UV resistant CMX rated jacket for direct burial 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
- Wooden Spool for ease of installation and storage

Applications

Vericom Category 5e Unshielded Direct Burial Gel Filled CMX 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 direct burial commercial or residential applications.

Description / Specifications

Vericom Category 5e Unshielded Direct Burial Gel Filled 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 24AWG solid conductors insulated with a gel compound filler and a sunlight resistant PVC in a four twisted pair unshielded configuration rated for direct burial applications.

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 Direct Burial Gel Filled CMX Cable

Ordering Information

Description		Packaging
Copper Cable, UTP, CAT5e, 4P, Direct Burial CMX		1,000 ft Spool
Item No. Prefix	Item No. Suffix	Color
MBW5U-	04486	Black

VERICOM 24 AWG 4P 75°C CAT5E U/UTP GEL FILLED TIA-568.2-D
ROHS COMPLIANT 0000FT USED / 1000FT REMAINING

Item # Example: MBW5U-04486 - Copper Cable, UTP, CAT5e, 4
Pair, UV Resistant CMX Direct Burial Rated, Black, 1,000 ft Spool

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
- Gel-Filled Compound:** Yes
- Ripcord :** Yes
- Jacket Material:** Low Density Polyethylene (LDPE)
- Jacket Color:** Specied By Item Number

Electrical

- Mutual Capacitance:** 5.6 nF/100m max
- DC Resistance:** 11.0 ohms/100m max @ 20°C
- DC Resistance Unbalance:** 2.5% max
- Capacitance Unbalance Pair-to-Ground:** 330 pF/100m max

Voltage

UL Voltage Rating: 300V

Nominal Transmission Characteristics (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	2.04	70.30	67.30	68.26	65.26	68.80	65.80	20.00	570.00	45.00
4	4.05	61.27	58.27	57.22	54.22	56.76	53.76	23.01	552.00	
8	5.77	56.75	53.75	50.99	47.99	50.74	47.74	24.52	546.73	
10	6.47	55.30	52.30	48.83	45.83	48.80	45.80	25.00	545.38	
16	8.25	52.24	49.24	43.99	40.99	44.72	41.72	25.00	543.00	
20	9.27	50.78	47.78	41.52	38.52	42.78	39.78	25.00	542.05	
25	10.42	49.33	46.33	38.91	35.91	40.84	37.84	24.32	541.20	
31.25	11.72	47.88	44.88	36.15	33.15	38.90	35.90	23.64	540.44	
62.5	16.99	43.36	40.36	26.37	23.37	32.88	29.88	21.54	538.55	
100	21.98	40.30	37.30	18.33	15.33	28.80	25.80	20.11	537.60	
150	27.54	37.66	34.66	10.11	7.11	25.28	22.28	18.87	536.94	
200	32.42	35.78	32.78	3.36	0.36	22.78	19.78	18.00	536.55	
250	36.85	34.33	31.33	N.A.	N.A.	20.84	17.84	17.32	536.28	
300	40.97	33.14	30.14	N.A.	N.A.	19.26	16.26	16.77	536.08	
350	44.85	32.14	29.14	N.A.	N.A.	17.92	14.92	16.30	535.92	

Delay

- Maximum Delay:** 537.6 ns/100m @ 100 MHz
- Maximum Delay Skew:** 45 ns/100m
- Velocity of Propagation:** 69% nom

Physical

- Conductor Diameter:** 0.019 in. (0.50 mm)
- Insulated Conductor Diameter:** 0.039 in. (1.00 mm)
- Cable Diameter:** 0.23 in. (5.8 mm)
- Nom. Cable Weight:** 29.3 lb. (13.32 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)