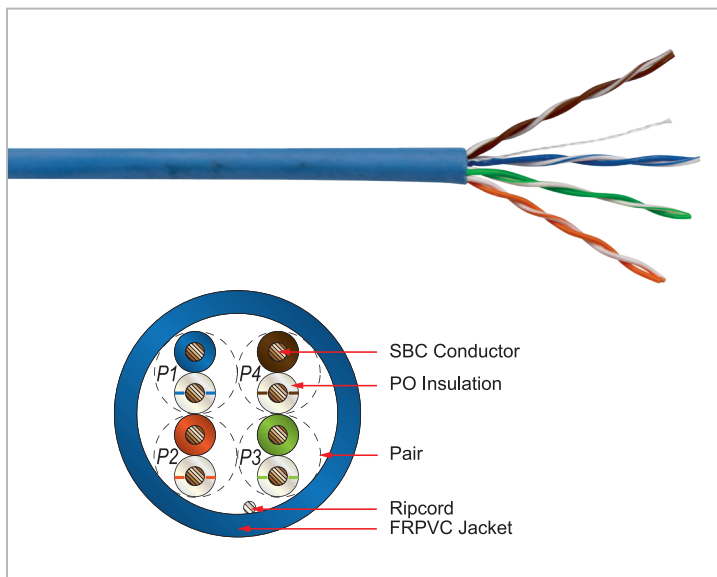




Cat 5e, 4 Pair, 24 AWG, Riser Rated Cable



Applications

Vericom Category 5e Riser Rated Indoor 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 CMR Cables are designed to meet and exceed ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class E electrical performance requirements for frequencies up to 100 MHz with test results to 350 MHz. The cable construction utilizes 24AWG solid conductors insulated with flame retardant PVC in a four twisted pair unshielded configuration rated for CMR.

Features & Benefits

- Cable meets ANSI/TIA-568-C.2 for compatibility with all standard compliant components
- Fire retardant CMR jacket for applications where cable is run between floors in non-plenum areas
- 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-C.2
- ISO/IEC 11801
- IEC 61156-5
- UL 1666 (CMR)
- UL444 and CSA-C22.2 NO.214
- RoHS Compliant
- Supports IEEE 802.3af/802.3at



Cat 5e, 4 Pair, 24 AWG, Riser Rated Cable

Ordering Information

Description				Packaging		
Copper Cable, U/UTP, CAT5e, 4 Pair, CMR				1,000 ft Pull Box		
Item No. Prefix	Item Suffix / Color	Item Suffix / Color	Item Suffix / Color	Item Suffix / Color	Item Suffix / Color	
MBW5U-	03577	Beige	01442	Gray	01554	Red
	01440	Black	01555	Green	01441	White
	00932	Blue	03751	Orange	01443	Yellow

VERICOM E346149-W 24AWG 4P 75°C(UL)US CMR ROHS COMPLIANT YYMMDD HH:MM -- ETL VERIFIED TO TIA-568-C.2 CAT5E XXXXFT USED / XXXXFT REMAINING

Note: MMY is date code.

Item # Example: MBW5U-00932 - Copper Cable, U/UTP, CAT5e, 4 Pair, CMR Rated, Blue, 1,000 ft Pull Box

Cable Marking

Construction

- Conductor Material:** 24 AWG Solid Bare Copper
- Insulation Material:** Polyolefin (PO)
- Color Code :** BL & WH/BL, OR & WH/OR, GN & WH/GN, BR & WH/BR
- Ripcord Material:** Polyester Multi-Yarn
- Jacket Material:** Flame Retardant PVC Compound (FRPVC)
- 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

Voltage

UL Voltage Rating: 300 V (CMR), 300 V (CL3R)

Delay

- Maximum Delay:** 537.6 ns/100m @ 100 MHz
- Maximum Delay Skew:** 45 ns/100m
- Velocity of Propagation:** 70.6% nom

Physical

- Conductor Diameter:** 0.020 in. (0.51 mm)
- Insulated Conductor Diameter:** 0.034 in. (0.87 mm)
- Cable Diameter:** 0.19 in. (4.8 mm)
- Nom. Cable Weight:** 17.87 lb. (8.11 kg)
- Max. Pulling Tension:** ≤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 & Shipping:** -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	2.04	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	