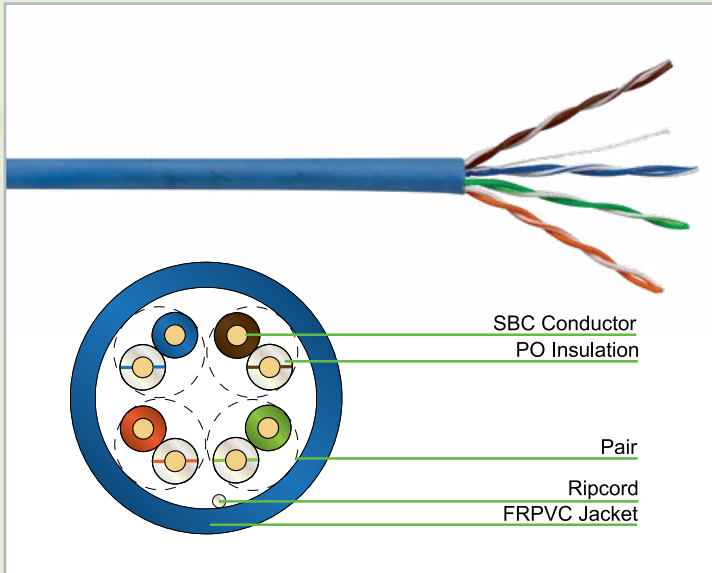


### VGC™ Category 5e U/UTP Riser Cable



#### 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

#### Applications

Vericom Category 5e Riser Rated Indoor Cable delivers reliable performance for both commercial and residential applications. It supports a wide range of technologies, including 10BASE-T Ethernet, 100BASE-T Fast Ethernet, 1000BASE-T Gigabit Ethernet, 155 Mb/s and 622 Mb/s ATM, digital video, broadband and baseband analog video, as well as Voice over Internet Protocol (VoIP).

#### Description / Specifications

The Vericom VGC™ Category 5e CMR Cable is engineered to exceed ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D performance standards, supporting frequencies up to 100 MHz and verified with test results to 350 MHz.

Featuring 24AWG solid conductors in a four-pair unshielded configuration, insulated with flame-retardant PVC, this cable is specifically rated for riser spaces—making it the trusted choice for vertical runs between floors in non-plenum areas.

#### 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



## VGC™ Category 5e U/UTP Riser Cable

### Ordering Information

### Cable Marking

Description				Packaging
Copper Cable, U/UTP, CAT5e, 4Pair, CMR				1000 FT Pull Box
**Beige	Black	Blue	Gray	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 Y is date code.
**MBW5U-03577	MBW5U-01440	MBW5U-00932	MBW5U-01442	
Green	Red	White	Yellow	
MBW5U-01555	MBW5U-01554	MBW5U-01441	MBW5U-01443	

\*\*Indicates Available By Special Order Only.

### 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	