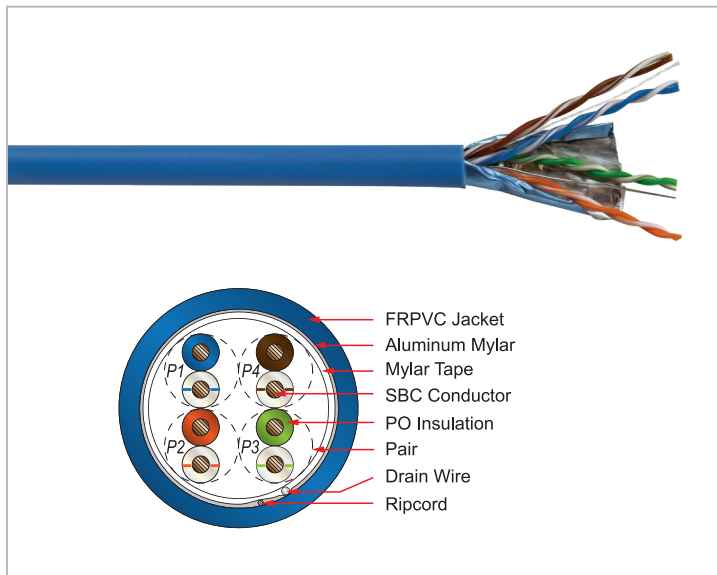




Cat 5e, 4 Pair, 24 AWG, F/UTP Riser Rated Cable



Applications

Vericom Category 5e Shielded 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 Shielded CMR 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 flame retardant PVC in a four twisted pair configuration with an overall foil shield rated for CMR (non-plenum spaces).

Features & Benefits

- Cable meets ANSI/TIA-568.2-D for compatibility with all standard compliant components
- Twisted pairs with overall foil shield to reduce external noise
- 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
- Wooden Spool packaging to ease installation and storage

Standards Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEC 61156-5
- UL444
- UL1666 (CMR)
- c(UL)us Listed
- CSA 22.2 No. 214
- EU Directive 2011/65/EC
- EU Directive 2006/95/EC
- RoHS Compliant
- Supports IEEE 802.3af/802.3at



Cat 5e, 4 Pair, 24 AWG, F/UTP Riser Rated Cable

Ordering Information

Description		Packaging
Copper Cable, F/UTP, CAT5e, 4 Pair, CMR		1,000 ft Wooden Spool
Item No. Prefix	Item No. Suffix	Color
MBW5F-	00933	Blue

VERICOM E346149-W TYPE CMR 75°C 24 AWG 4P CAT5E FTP--- TIA-568.2-D ROHS COMPLIANT YYMMDD HH:mm 0000FT USED / 1000FT REMAINING
 Note: YYMMDD HH:mm is date code.

Item # Example: MBW5F-00933 - Copper Cable, F/UTP, CAT5e, 4 Pair, CMR Rated, Blue, 1,000 ft Wooden Spool

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
- Shielding :** Mylar Tape & Aluminum Mylar Tape 100% Coverage
- Drain Wire :** 26 AWG Solid Tinned Copper
- 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), 300V (CL3R)

Cable Marking

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:** 0.042 in. (1.06 mm)
- Cable Diameter:** 0.24 in. (6.1 mm)
- Nom. Cable Weight:** 26.76 lb. (12.14 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	2.04	65.30	62.30	63.26	60.26	63.80	60.80	20.00	570.00	45.00
4	4.05	56.27	53.27	52.22	49.22	51.26	48.76	23.01	552.00	
8	5.77	51.75	48.75	45.99	42.99	45.74	42.74	24.52	546.73	
10	6.47	50.30	47.30	43.83	40.83	43.80	40.80	25.00	545.38	
16	8.25	47.24	44.24	38.99	35.99	39.72	36.72	25.00	543.00	
20	9.27	45.78	42.78	36.52	33.52	37.78	34.78	25.00	542.05	
25	10.42	44.33	41.33	33.91	30.91	35.84	32.84	24.32	541.20	
31.25	11.72	42.88	39.88	31.15	28.15	33.90	30.90	23.64	540.44	
62.5	16.99	38.36	35.36	21.37	18.37	27.88	24.88	21.54	538.55	
100	21.98	35.30	32.30	13.33	10.33	23.80	20.80	20.11	537.60	
150	27.54	32.66	29.66	5.11	2.11	20.28	17.28	18.87	536.94	
200	32.42	30.78	27.78	N.A.	N.A.	17.78	14.78	18.00	536.55	
250	36.85	29.33	26.33	N.A.	N.A.	15.84	12.84	17.32	536.28	
300	40.97	28.14	25.14	N.A.	N.A.	14.26	11.26	16.77	536.08	
350	44.85	27.14	24.14	N.A.	N.A.	12.92	9.92	16.30	535.92	