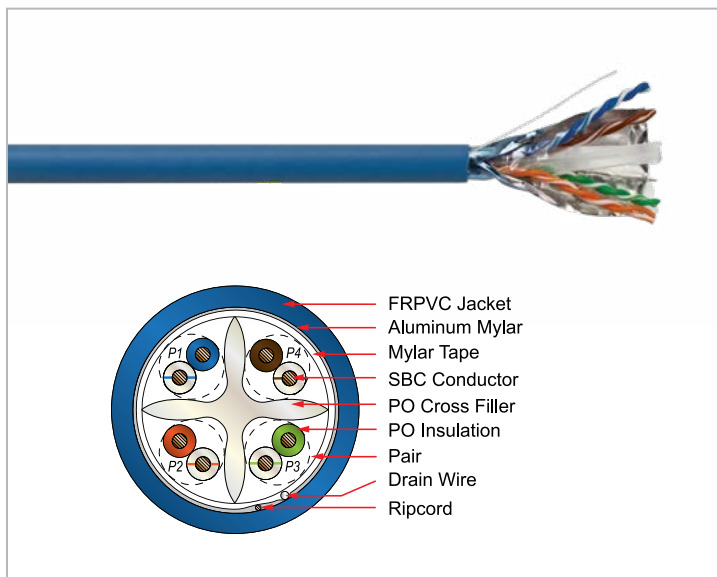




Cat 6, 4 Pair, 23 AWG, F/UTP Riser Rated Cable



Applications

The Vericom Category 6 Shielded Riser Rated Indoor Cable supports 10GBASE-T Ethernet based on limited distances per the standard, 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Digital video and broadband/baseband analog video, Voice over Internet Protocol (VoIP) for commercial or residential applications. Category 6 is backwards compatible with Category 5e systems.

Description / Specifications

Vericom Category 6 Shielded Riser Cable is designed to meet and exceed ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E electrical performance requirements for frequencies up to 250 MHz. The 1000ft spool of cable is constructed with 23AWG solid conductors, overall foil screened shielding, and differential twisted pairs separated with an integral cross filler reducing crosstalk to provide maximum system performance. Vericom Category 6 Shielded CMR Cable has a nominal cable diameter of 0.28" (7.2mm), is rated for 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 550 MHz to ensure consistency past the standards limit of 250 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 6, 4 Pair, 23 AWG, F/UTP Riser Rated Cable

Ordering Information

Description		Packaging
Copper Cable, F/UTP, CAT6, 4 Pair, CMR		1,000 ft Wooden Spool
Item No. Prefix	Item No. Suffix	Color
MBW6F-	00935	Blue

VERICOM (UL) c(UL) E346149-W TYPE CMR 75°C 23 AWG 4P CAT6 FTP TIA-568.2-D ROHS COMPLIANT YYMMDD HH:mm XXXXFT USED / XXXXFT REMAINING

Note: YYMMDD HH:mm is date code.

Item # Example: MBW6F-00935 - Copper Cable, F/UTP, CAT6, 4 Pair, CMR Rated, Blue, 1,000 ft Wooden Spool

Construction

Conductor Material: 23 AWG Solid Bare Copper
Insulation Material: Polyolefin (PO)
Color Code : BL & WH/BL, OR & WH/OR, GN & WH/GN, BR & WH/BR
Filler Material: Polyolefin (PO)
Shielding : Mylar Tape & Aluminum Mylar Tape 100% Coverage
Drain Wire : 26 AWG Solid Tinned Copper
Ripcord Material: Polyester Multi-Yarn
Jacket Material: Flame Resistant PVC (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), 300C (CL3R)

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	2.03	74.30	72.30	72.28	70.28	67.80	64.80	20.00	570.00	45.00
4	3.78	65.27	63.27	61.49	59.49	55.76	52.76	23.01	552.00	
8	5.32	60.75	58.75	55.43	53.43	49.74	46.74	24.52	546.73	
10	5.95	59.30	57.30	53.35	51.35	47.80	44.80	25.00	545.38	
16	7.55	56.24	54.24	48.68	46.68	43.72	40.72	25.00	543.00	
20	8.47	54.78	52.78	46.31	44.31	41.78	38.78	25.00	542.05	
25	9.51	53.33	51.33	43.83	41.83	39.84	36.84	24.32	541.20	
31.25	10.67	51.88	49.88	41.20	39.20	37.90	34.90	23.64	540.44	
62.5	15.38	47.36	45.36	31.98	29.98	31.88	28.88	21.54	538.55	
100	19.80	44.30	42.30	24.50	22.50	27.80	24.80	20.11	537.60	
150	24.71	41.66	39.66	16.95	14.95	24.28	21.28	18.87	536.94	
200	28.98	39.78	37.78	10.80	8.80	21.78	18.78	18.00	536.55	
250	32.85	38.33	36.33	5.48	3.48	19.84	16.84	17.32	536.28	
300	36.43	37.14	35.14	0.72	N.A.	18.26	15.26	16.77	536.08	
350	39.79	36.14	34.14	N.A.	N.A.	16.92	13.92	16.30	535.92	
400	42.97	35.27	33.27	N.A.	N.A.	15.76	12.76	15.89	535.80	
450	46.01	34.50	32.50	N.A.	N.A.	14.74	11.74	15.53	535.70	
500	48.94	33.82	31.82	N.A.	N.A.	13.82	10.82	15.21	535.61	
550	51.76	33.19	31.19	N.A.	N.A.	12.99	9.99	14.92	535.54	

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

REV.20250101.10