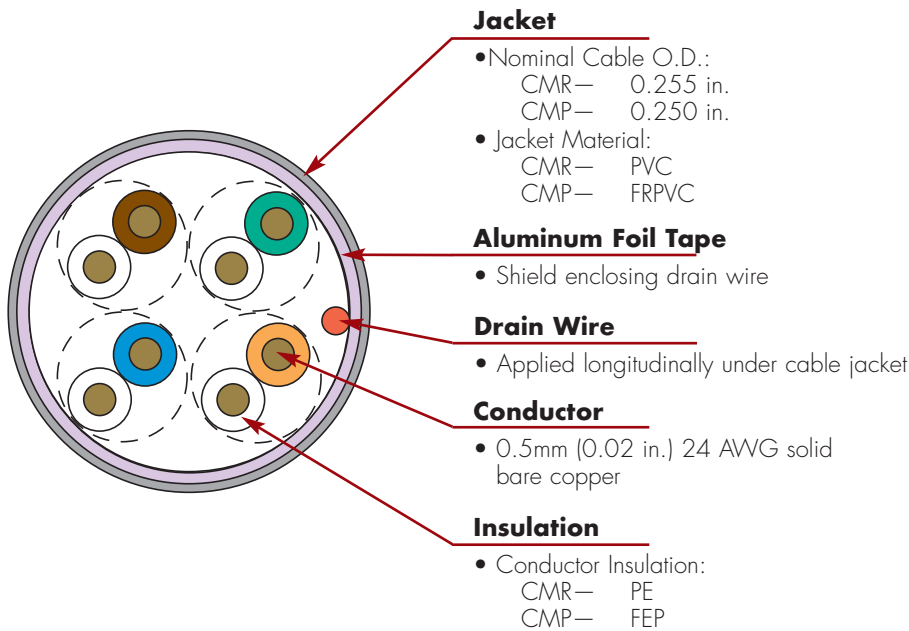
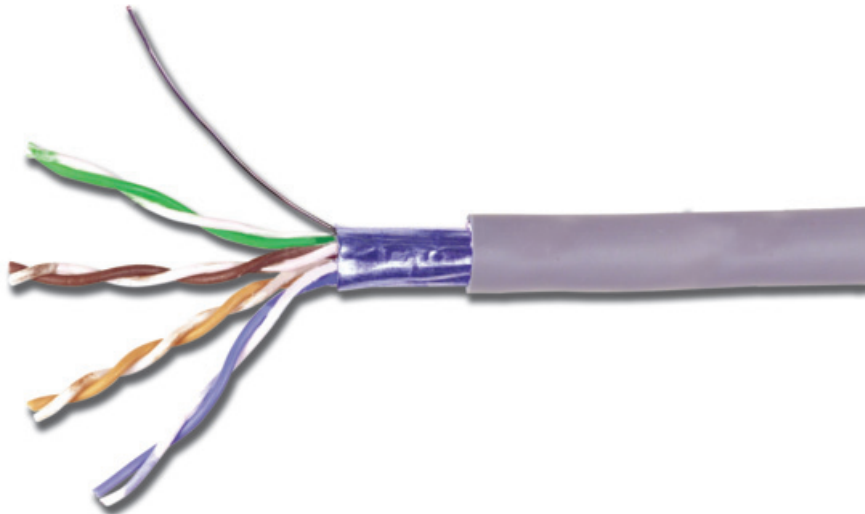


SOLUTION 5e® F/UTP CABLE — US

Siemon screened category 5e cable perfectly complements the performance of our screened 5e outlets. Siemon cable exceeds all ANSI/TIA and ISO/IEC requirements for category 5e/class D transmission performance. Utilizing Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system.



HIGHLIGHTS

- Reverse sequential numbering
- Round jacket

PACKAGING

- 1000 ft. reel
- Weight
 CMR— 25 lbs/1000 ft.
 CMP— 30 lbs/1000 ft.

STANDARDS COMPLIANCE

- ISO/IEC 11801-1 Ed 1.0 (Category 5e)
- ANSI/TIA-568.2-D (Category 5e)

ETHERNET APPLICATIONS SUPPORT

- 1000BASE-T
- 100BASE-T
- 10BASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (PoH)

Supports any application designed for category 5e or lower cabling

PRODUCT INFORMATION

SOLUTION 5e® F/UTP Cable

ELECTRICAL SPECIFICATIONS

DC Resistance	<9.38 Ω/328 ft.
DC Resistance Unbalance	5%
Mutual Capacitance	5.6nF/328 ft.
Capacitance Unbalance	<330 pF/328 ft.
Characteristic Impedance (ohms)	1 ≤ f ≤ 100: 100 ± 15% 100 ≤ f ≤ 160: 100 ± 20% 160 ≤ f ≤ 350: 100 ± 22%
NVP	CMP—70% CMR—68%
Delay Skew (ns)	≤ 35

PHYSICAL PROPERTIES

	CMP	CMR
Pulling Tension	25 lbf (max)	25 lbf (max)
Bend Radius	1 in. (min)	1 in. (min)
Installation Temperature	+32 to 140 °F	+32 to 140 °F
Storage Temperature	-4 to 140 °F	-4 to 140 °F
Operating Temperature	-4 to 122 °F	-4 to 122 °F

TRANSMISSION PERFORMANCE — GUARANTEED WORST CASE

Frequency (MHz)	Insertion Loss (dB)	NEXT Loss (dB)	PS NEXT Loss (dB)	ACR (dB)	PSACR (dB)	ELFEXT (dB)	PS ELFEXT (dB)	Return Loss (dB)	Propagation Delay (ns)
1.0	2.0	65.3	62.3	63.3	60.3	63.8	60.8	20.0	569.0
4.0	4.1	56.3	53.3	52.2	49.2	51.8	48.8	23.0	552.0
10.0	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0	545.0
16.0	8.2	47.2	44.3	38.9	36.0	39.7	36.7	25.0	543.0
20.0	9.3	48.8	42.8	36.5	33.5	41.7	34.7	25.0	542.0
31.25	11.7	42.9	39.9	31.2	28.2	37.9	30.9	23.6	540.0
62.5	17.0	38.4	35.4	21.4	18.4	31.8	24.9	21.5	538.0
100.0	22.0	35.3	32.3	13.3	10.3	27.8	20.8	20.1	538.0
160.0*	28.6	30.3	29.2	3.7	0.7	23.7	16.7	18.7	537.0
200.0*	32.4	30.8	27.8	-1.6	-4.6	22.9	14.8	18.0	536.0
250.0*	36.9	29.3	26.3	-7.5	-10.5	21.7	12.8	17.3	536.0
300.0*	41.0	28.1	25.1	-12.8	-15.8	19.8	11.3	16.8	536.0
350.0*	44.9	27.1	24.1	-17.7	-20.7	16.9	9.9	16.3	535.0

All performance based on 100 meters (328 ft.)

*Performance for frequencies beyond TIA and ISO requirements are for information only.

Solution 5e Plenum 4-Pair F/UTP Cable (CMP, CSA Type FT6):

9A5P4-E1-(XX)-R1A.....Plenum, 1000 ft. Reel

Solution 5e Riser 4-Pair F/UTP Cable (CMR, CSA Type FT4):

9A5R4-E1-(XX)-R1ARiser, 1000 ft. Reel

Use (XX) to specify jacket color: 02 = white, 04 = gray, 05 = yellow, 06 = blue

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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