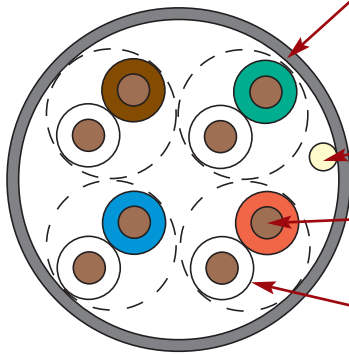
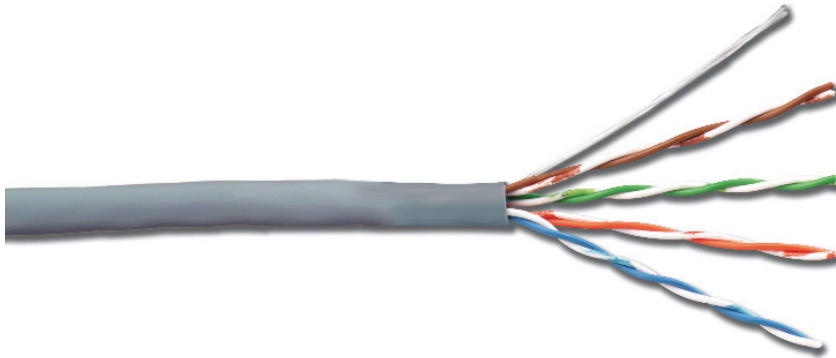


PREMIUM 5e[®] UTP CABLE — US

Siemon Premium 5e UTP cable perfectly complements the performance of our category 5e outlets. Siemon cable exceeds all TIA/EIA and ISO/IEC requirements for category 5e 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.



CABLE — US



Jacket

- Nominal Cable O.D.:
 - CMR — 0.194 in.
 - CMP — 0.180 in.
- Jacket Material:
 - CMR — PVC
 - CMP — FRPVC

Rip Cord

- Applied longitudinally under cable jacket

Conductor

- 0.51 mm (0.020 in.) 24 AWG solid bare copper

Insulation

- Conductor Insulation:
 - CMR — PE
 - CMP — FEP

HIGHLIGHTS

- Transmission performance verified by UL
- Reverse sequential numbering
- Round jacket
- Jacket material is lead free

PACKAGING

- 1000 ft. reelex
- Weight
 - CMR — 20 lbs/1000 ft.
 - CMP — 21 lbs/1000 ft.

STANDARDS COMPLIANCE

- ISO/IEC 11801:2002 (Category 5e)
- TIA/EIA-568-B.2 (Category 5e)
- IEC 61156-5 (Category 5e)
- UL CMP and CSA FT6
- UL CMR and CSA FT4

ETHERNET APPLICATIONS SUPPORT

- 1000BASE-T
- 100BASE-T
- 10BASE-T

Supports any application designed for category 5e or lower cabling

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

9C5P4-E2-(XX)-RXA.....Plenum, 1000 ft. Reelex

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

9C5R4-E2-(XX)-RXA.....Riser, 1000 ft. Reelex

Use (XX) to specify jacket color: 02 = white, 03 = red, 04 = gray, 05 = yellow, 06 = blue, 07 = green

Cable colors highlighted in red and 1000 ft. package indicate FOCUS products which are readily available. Other colors may have extended lead times and minimum purchase requirements.

CONNECTING THE WORLD TO A HIGHER STANDARD

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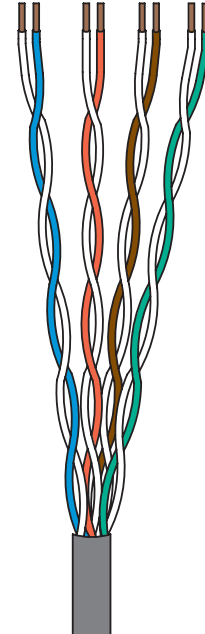
PRODUCT INFORMATION

CABLE — US

Premium 5e® UTP Cable

ELECTRICAL SPECIFICATIONS

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



PHYSICAL PROPERTIES

	CMP	CMR
Pulling Tension (max)	110N (25 lbf)	110N (25 lbf)
Bend Radius (min)	25mm (1 in.)	25mm (1 in.)
Installation Temperature	0 to 60°C (+32 to 140°F)	0 to 60°C (+32 to 140°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)	-20 to 75°C (-4 to 167°F)
Operating Temperature	-20 to 60°C (-4 to 140°F)	-20 to 60°C (-4 to 140°F)

TRANSMISSION PERFORMANCE

GUARANTEED WORST CASE

SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical	Guaranteed	Typical
1.0	2.1	1.9	68.3	79.3	66.3	72.3	66.2	77.4	64.2	70.4	67.8	84.8	65.8	78.8	20.0	27.0	550	545
4.0	4.1	3.7	59.3	70.3	57.3	63.3	55.2	66.6	53.2	59.6	55.7	72.8	53.7	66.8	23.3	32.0	532	527
10.0	6.5	5.8	53.3	64.3	51.3	57.3	46.9	58.5	44.9	51.5	47.8	64.8	45.8	58.8	25.5	32.0	525	520
16.0	8.2	7.4	50.3	61.2	48.3	54.2	42.1	53.8	40.1	46.8	43.7	60.7	41.7	54.7	25.5	32.0	523	518
20.0	9.2	8.3	48.8	59.8	46.8	52.8	39.6	51.5	37.6	44.5	41.7	58.8	39.7	52.8	25.5	32.0	522	517
31.25	11.5	10.5	45.9	56.9	43.9	49.9	34.4	46.4	32.4	39.4	37.9	54.9	35.9	48.9	24.4	30.0	520	515
62.5	16.4	15.0	41.4	52.4	39.4	45.4	24.9	37.4	22.9	30.4	31.8	48.9	29.8	42.9	22.7	30.0	519	514
100.0	21.0	19.3	38.3	49.3	36.3	42.3	17.3	30.0	15.3	23.0	27.8	44.8	25.8	38.8	21.5	30.0	518	513
160.0*	26.8	25.1	35.3	46.2	33.3	39.2	8.4	21.1	6.4	14.1	23.7	40.7	21.7	34.7	20.4	28.0	517	512
200.0*	30.2	28.1	33.8	44.8	31.8	37.8	3.6	16.7	1.6	9.7	21.7	38.8	19.7	32.8	19.8	27.0	517	512
250.0*	34.0	31.4	32.3	43.3	30.3	36.3	-1.6	11.9	-3.6	4.9	19.8	36.8	17.8	30.8	19.2	26.0	516	511
300.00*	37.4	34.5	31.2	42.1	29.2	35.1	-6.3	7.6	-8.3	0.6	18.2	35.3	16.2	29.3	18.8	25.0	516	511
350.0*	40.7	39.4	30.2	41.1	28.2	34.1	-10.5	1.7	-12.5	-5.3	16.9	33.9	14.9	27.9	18.4	24.0	516	511

*Values above 100 MHz are informational only.

All performance based on 100 meters (328 ft.).

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

Premium 5e®, MAX®, MC®, HD® and S110® are trademarks of Siemon

For related product information request Spec Sheet(s):

- MAX® 5e Modules (PROD-SS-MPD)
- MC® 5e Modular Patch Cords (PROD-SS-MC5)
- HD® 5 Patch Panels (PROD-SS-HD5)
- MAX Patch Panels (PROD-SS-MXP)
- S110® Connection System (PROD-SS-S10)
- S110 Patch Plugs (PROD-SS-10P)

The Americas
Watertown, CT USA
Phone (1) 860 945 4200

Europe/Middle East/Africa
Surrey, England
Phone (44) 0 1932 571771

Asia/Pacific
Shanghai, P.R. China
Phone (86) 21 6390 6778

Japan
Tokyo, Japan
Phone (81) (3) 5437 1580

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PROD-SS-REM5eCBLUS Rev. 1 8/07 (US)

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