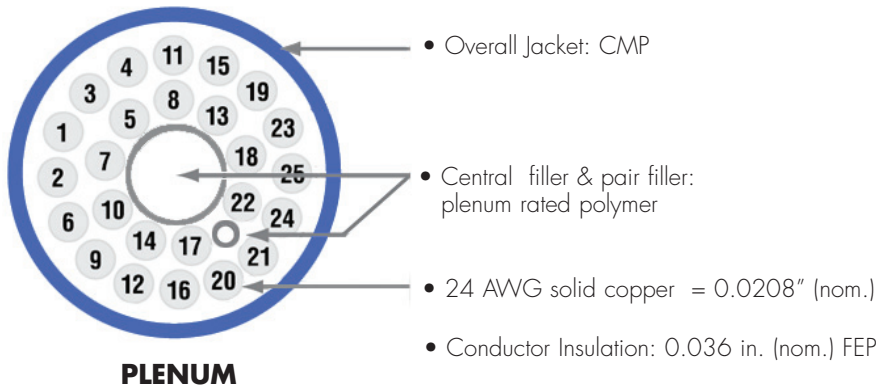
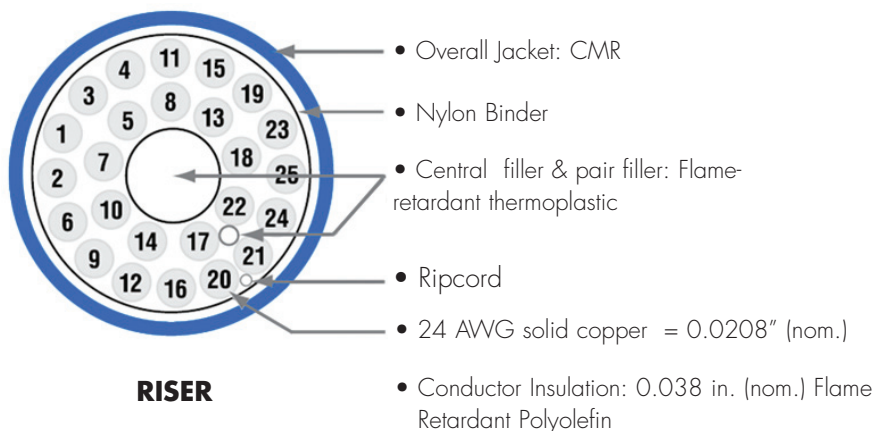


MULTIPAIR CATEGORY 5e UTP CABLE

Siemon 25-Pair category 5e UTP cable meets or exceeds all ANSI/TIA and ISO/IEC category 5e transmission performance specifications. Combine with our high performance category 5e connectivity and the result is a system providing excellent electrical performance and dependable application assurance.



PLENUM



RISER

Highlights

- Max Jacket O.D.
Plenum = 11.5 mm (0.454 in.)
Riser = 12.4 mm (0.487 in.)
- Central filler and pair fillers help maintain pair geometry before during and after installation for optimal NEXT Loss performance.
- Meets or exceeds Category 5e Performance tested to 100 MHz
- Supports all applications designed to operate over standards compliant category 5e or lower cabling systems.

Compliance

- ANSI/TIA-568-C.2, (Category 5e)
- ISO/IEC 11801 (Category 5e)
- IEC 61156-5
- c(UL)us Listed
- RoHS

CABLE — US

MULTIPAIR CATEGORY 5e UTP CABLE

PRODUCT INFORMATION

ELECTRICAL SPECIFICATIONS

DC Resistance	< 9.38 / 100m
DC Resistance Unbalanced	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalanced	< 330 pF/100m
Characteristic Impedance (ohms)	1-100 MHz: 100 +/- 15%
NVP	CMP = 70%
LCL	30-10Log(f/100)dB
Delay Skew	≤45ns

PHYSICAL PROPERTIES

	CMP/CMR
Pulling Tension	110N (25 lbf)
Bend Radius (min)	4 x Cable O.D.
Installation Temperature	0 to 60 C (+32 to 140 F)
Storage Temperature	-20 to 75 C (-4 to 167 F)
Operating Temperature	-20 to 60 C (-4 to 140 F)

TRANSMISSION PERFORMANCE

Guaranteed Worst Case:

Based on Category 5e requirements from ANSI/TIA-568-C.2

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	PS NEXT (dB)	ACR-N (dB)	PS ACR-N (dB)	ACR-F (dB)	PS ACR-F (dB)	Return Loss (dB)
1.0	2.0	65.3	62.3	63.2	60.2	63.8	60.8	20.0
4.0	4.1	56.3	53.3	52.2	49.2	51.8	48.8	23.0
10.0	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0
16.0	8.2	47.2	44.2	39.0	36.0	39.7	36.7	25.0
20.0	9.3	45.8	42.8	36.5	33.5	37.8	34.8	25.0
31.25	11.7	42.9	39.9	31.1	28.1	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.9	24.9	21.5
100.0	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1

Category 5e 25-pair cable 24 AWG UTP Blue Jacket:

9C5(X)25-E1 1000 ft. Reel

Use (X) to specify jacket flame rating: P = Plenum, R = Riser

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Phone (1) 860 945 4200 US
Phone (1) 888 425 6165 Canada

Europe/Middle East/Africa

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Phone (44) 0 1932 571771

Asia/Pacific

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