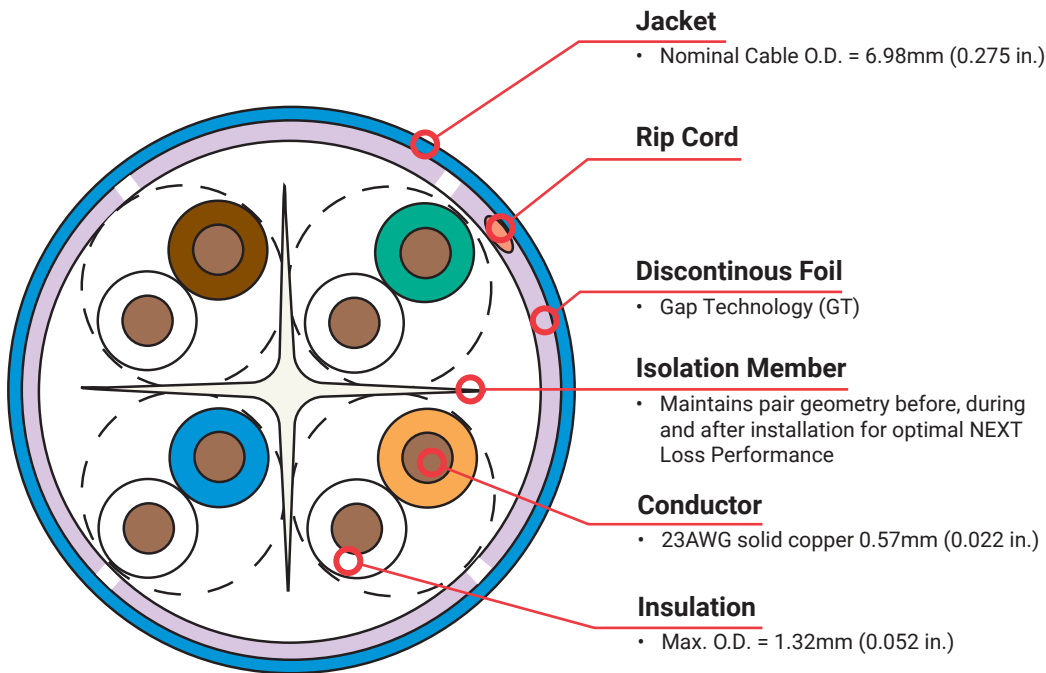


Category 6A GT UTP 4-Pair Cable

Regional Availability - North America

Siemon's Category 6A Gap Technology (GT) UTP cable features a discontinuous foil construction which enables a typical UTP installation process and smaller cable diameter while providing improved heat dissipation and virtually zero alien crosstalk. These properties make this cable ideal for supporting applications using both remote powering and 10 Gb/s application speeds such as IEEE 802.11ac or IEEE 802.11ax wireless access points or other high speed emerging or converging IP building automation technologies.



Compliance

- ANSI/TIA-568.2-D
- IEC 61156-5 Ed 2.0
- ISO/IEC 11801-1 Ed. 1.0
- UL CMR and CSA FT4
- UL CMP and CSA FT6
- CMP-LP (0.7) 140W

Cable Construction

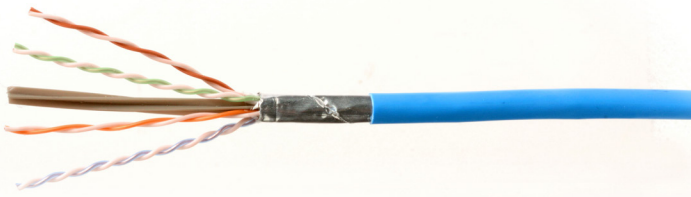
- GT UTP
- 0.57mm (0.023 in.) 23 AWG solid bare copper
- 6.98mm (0.275 in.) nom. jacket diameter
- Central isolation member
- 0.05mm (0.001 in.) discontinuous foil aluminum polyester tape applied over the core
- Reverse sequential measurement markings on jacket

Applications Support

- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T
- HDBASE-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)



Siemon's **PowerGUARD** technology with a 75°C operating temperature improves heat dissipation for reduced length derating and bundling requirements in remote powering applications, including PoE and power over HDBaseT (POH).



Product Information

Electrical Specifications

DC Resistance	<8.0Ω/100m
DC Resistance Unbalance	5%
Mutual Capacitance	5.1 nF/100m
Capacitance Unbalance	330 pF/100m
NVP	70% CMP/ 67% CMR
TCL	40-10 log(f/100) dB
Delay Skew	≤45ns

Physical Properties

	CMP	CMR
Pulling Tension (max)	110 N (25 lbf)	110N (25 lbf)
Bend Radius (min)	28 mm (1.1 in.)	28mm (1.1 in.)
Installation Temperature	0 to 60°C (+32 to 122°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 75°C (-4 to 167°F)	-20 to 75°C (-4 to 167°F)

Transmission Performance



Guaranteed Worst Case



Siemon Typical

Frequency (MHz)	Insertion Loss(dB)		NEXT (dB)		PS NEXT (dB)		ACR-N (dB)		PSACR-N (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
1.0	2.1	1.97	75.3	96.07	73.3	87.42	73.2	93.46	71.2	84.92	73.3	91.45	71.3	84.19	20.0	26.84	570	555
4.0	3.8	3.47	66.3	83.9	64.3	75.38	62.5	72.47	60.5	71.9	61.3	81.52	59.3	74.24	23.0	29.44	545	532
10.0	5.9	5.51	60.3	73.2	58.3	66.19	54.4	60.98	52.4	60.73	53.3	67.37	51.3	65.25	25.0	34.23	541	528
16.0	7.5	7.03	57.2	73.6	55.2	65.76	49.8	64.29	47.8	58.83	49.2	60.14	47.2	58.99	25.0	35.80	539	527
20.0	8.4	7.9	55.8	64.7	53.8	62.77	47.4	57.81	45.4	54.98	47.3	57.54	45.3	56.5	25.0	31.23	538	526
31.2	10.5	9.9	52.9	63.1	50.9	63.27	42.4	66.03	40.4	53.54	43.4	56.06	41.4	54.78	23.6	28.52	538	526
62.5	15.0	14.09	48.4	62.8	46.4	57.16	33.4	51.28	31.4	43.31	37.4	51.95	35.4	51.12	21.5	28.83	537	525
100.0	19.1	17.93	45.3	65	43.3	57.12	26.2	42.30	24.2	39.73	33.3	56.19	31.3	46.2	20.1	30.75	536	525
200.0	27.6	25.72	40.8	57.8	38.8	49.57	13.2	28.83	11.2	25.07	27.3	48	25.3	47.07	18.0	24.81	536	524
250.0	31.1	28.92	39.3	50.5	37.3	49.98	8.3	23.11	6.3	22.34	25.3	46.43	23.3	41.17	17.3	26.26	536	524
300.0	34.3	31.96	38.1	54.5	36.1	47.77	3.9	22.27	-1.9	16.47	23.8	41.92	21.8	40.21	17.3	25.80	536	524
400.0	40.1	37.38	36.3	53.9	34.3	43.38	-3.8	12.19	-5.8	8.87	21.3	40.93	19.3	36.68	17.3	33.09	536	524
500.0	45.3	42.0	34.8	49.2	32.8	46.69	-10.4	9.91	-12.4	5.41	19.3	34.41	17.3	26.7	17.3	24.96	536	524
550.0*	-	44.44	-	41.7	-	47.82	-	4.18	-	3.31	-	31.88	-	33.36	-	29.15	536	524
625.0*	-	48.18	-	41.7	-	41.57	-	-4.08	-	-6.27	-	31.17	-	29.17	-	14.05	536	524
750.0*	-	54.18	-	49.2	-	38.41	-	-4.45	-	-15.9	-	28.24	-	17.53	-	29.15	536	524

*Values for frequencies above industry requirements are for information only.

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

Ordering Information

305m (1000 ft.) Reel (North America only)

Part Number	Description
9U6P4-A5-01-R1A	Plenum (CMP, CSA FT6), Black
9U6P4-A5-02-R1A	Plenum (CMP, CSA FT6), White
9U6P4-A5-03-R1A	Plenum (CMP, CSA FT6), Red
9U6P4-A5-04-R1A	Plenum (CMP, CSA FT6), Gray
9U6P4-A5-05-R1A	Plenum (CMP, CSA FT6), Yellow
9U6P4-A5-06-R1A	Plenum (CMP, CSA FT6), Blue
9U6P4-A5-07-R1A	Plenum (CMP, CSA FT6), Green
9U6P4-A5-08-R1A	Plenum (CMP, CSA FT6), Violet
9U6P4-A5-09-R1A	Plenum (CMP, CSA FT6), Orange
9U6R4-A5-01-R1A	Riser (CMR, CSA FT4), Black
9U6R4-A5-02-R1A	Riser (CMR, CSA FT4), White
9U6R4-A5-03-R1A	Riser (CMR, CSA FT4), Red
9U6R4-A5-04-R1A	Riser (CMR, CSA FT4), Gray
9U6R4-A5-05-R1A	Riser (CMR, CSA FT4), Yellow
9U6R4-A5-06-R1A	Riser (CMR, CSA FT4), Blue
9U6R4-A5-07-R1A	Riser (CMR, CSA FT4), Green
9U6R4-A5-08-R1A	Riser (CMR, CSA FT4), Violet
9U6R4-A5-09-R1A	Riser (CMR, CSA FT4), Orange

Lead time and minimum order quantities may vary by cable type. Please contact Customer Service for details.

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

North America P: (1) 860 945 4200	Asia Pacific P: (61) 2 8977 7500	Latin America P: (571) 657 1950/51/52	Europe P: (44) 0 1932 571771	China P: (86) 215385 0303	India, Middle East & Africa P: (971) 4 3689743
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Siemon Interconnect Solutions P: (1) 860 945 4213 www.siemon.com/SIS	Mexico P: (521) 556 387 7708/09/10
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