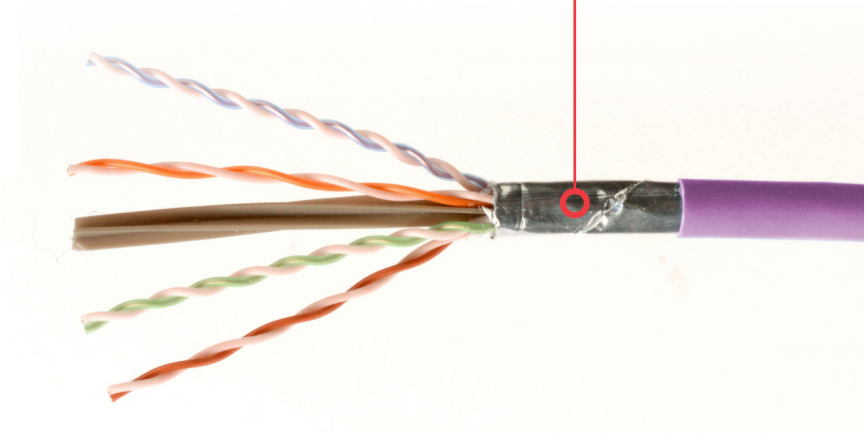
Category 6A GT UTP LSOH 4-Pair Cable
Non-Asia (Origin Restricted)

Siemon's Category 6A Gap Technology (GT) UTP LSOH 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.

Discontinuous foil
Gap Technology (GT)



PowerGUARD™

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).

COMPLIANCE

- ANSI/TIA-568.2-D
- IEC 61156-5 Ed 2.0
- ISO/IEC 11801-1 Ed 1.0
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-2, 61034
- EN50575 E_{ca}

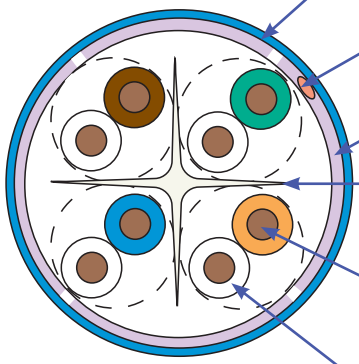
CABLE CONSTRUCTION

- GT UTP LSOH
- 0.56mm (.022 in.) 23 AWG solid bare copper
- 7.7mm (.303 in.) nom. jacket diameter
- Central isolation member
- Discontinous foil aluminum polyester tape applied over the core
- Reverse sequential measurement markings on jacket

APPLICATIONS SUPPORT

- 10GBASE-T
- 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 all applications designed for Category 6A or lower cabling



Jacket
- Nominal Cable O.D. : 7.7mm (0.303 in.)

Rip Cord

Discontinous Foil
- Gap Technology (GT)

Isolation Member
- Maintains pair geometry before, during and after installation for optimal NEXT Loss Performance

Conductor
- 23AWG solid bare copper 0.56mm (0.022 in.)

Insulation
- Max. O.D. : 1.18mm (0.071 in.)
- HDPE

SIEMON™

Product Information

ELECTRICAL SPECIFICATIONS

DC Resistance	≤8.0Ω/100m
DC Resistance Unbalance	within pairs ≤ 2% between pairs ≤ 5%
Mutual Capacitance	Nom. 4.3 nF/100m
Capacitance Unbalance	≤160 pF/100m
NVP	66%
TCL	≥50-10* log(f/100) dB
Delay Skew	≤45ns

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	100N (22 lbf)
Bend Radius (min)	30.8mm (1.2 in.)
Installation Temperature	0 to 50°C (+32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Operating Temperature	-20 to 75°C (-4 to 167°F)

TRANSMISSION PERFORMANCE

GUARANTEED WORST CASE | SIEMON TYPICAL

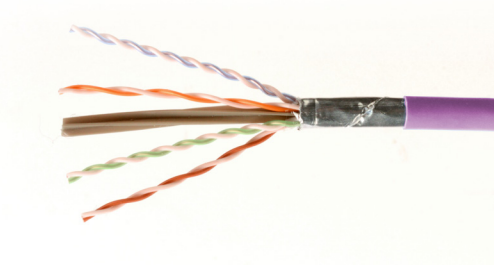
Frequency (MHz)	Insertion Loss (dB/100)		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		ACR-N (dB)		PSACR-N (dB)		Propagation Delay (ns)	
1.0	2.1	2.1	75.3	81.9	73.3	79.9	73.3	78.3	71.3	76.1	20.0	30.9	73.2	79.9	71.2	77.9	570	557
4.0	3.8	3.7	66.3	79.4	64.3	78.5	61.3	76.7	59.3	76.3	23.0	33.4	62.5	76.0	60.5	75.0	552	541
10.0	5.9	5.7	60.3	74.8	58.3	72.7	53.3	70.1	51.3	69.4	25.0	32.5	54.4	69.4	52.4	67.0	545	535
16.0	7.5	7.1	57.2	72.0	55.2	69.7	49.2	65.7	47.2	64.8	25.0	28.9	49.8	65.5	47.8	62.6	543	533
20.0	8.4	8.0	55.8	68.7	53.8	67.1	47.3	63.1	45.3	62.0	25.0	32.9	47.4	61.1	45.4	59.3	542	532
31.25	10.5	10.0	52.9	67.7	50.9	64.6	43.4	57.3	41.4	56.9	23.7	32.6	42.4	58.3	40.4	54.6	540	531
62.5	15.0	14.3	48.4	62.6	46.4	59.3	37.4	52.6	35.4	50.9	21.5	29.2	33.4	48.7	31.4	45.3	539	529
100.0	19.1	18.3	45.3	59.2	43.3	58.0	33.3	54.2	31.3	51.4	20.1	31.8	26.2	42.4	24.2	40.9	538	528
160.0	24.5	23.3	42.2	54.8	40.2	53.6	29.2	47.6	27.2	46.7	18.7	27.2	17.7	33.4	15.7	30.8	537	527
200.0	27.6	26.2	40.8	52.1	38.8	50.4	27.3	44.2	25.3	44.3	18.0	29.6	13.2	27.4	11.2	24.2	537	527
250.0	31.1	29.4	39.3	51.6	37.3	48.5	25.3	41.7	23.3	39.7	17.3	30.8	8.3	23.9	6.3	19.8	536	527
300.0	34.3	32.4	38.1	50.7	36.1	47.6	23.8	38.5	21.8	38.2	17.3	26.0	3.9	19.8	1.9	16.4	536	527
400.0	40.1	37.8	36.3	46.7	34.3	45.4	21.3	34.9	19.3	33.2	17.3	26.6	-3.8	11.1	-5.8	7.9	536	526
500.0	45.3	42.4	34.8	43.2	32.8	41.6	19.3	39.5	17.3	38.5	17.3	25.2	-10.4	3.2	-12.4	-0.8	536	526
550.0*	-	44.6	-	44.2	-	42.6	-	35.1	-	32.0	-	26.5	-	1.9	-	-0.9	-	526
650.0*	-	48.9	-	41.6	-	39.6	-	32.2	-	28.8	-	20.3	-	-4.9	-	-8.1	-	526

**Values above 500 MHz are for information only.*

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

Ordering Information

Part Number	Description
9U6L4-A5-08-R1N	LSOH (IEC 60332-1, IEC 60332-3-22), violet jacket, 305m reel



Other colors and put-ups available with longer lead times and MOQ's. Please contact Customer Service for details.

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