

Category 6A GT UTP LS0H 4-Pair Cable Non-Asia (Origin Restricted)

Simon's Category 6A Gap Technology (GT) UTP LS0H 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-E
- 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 LS0H
- 0.56mm (.022 in.) 23 AWG solid bare copper
- 7.7mm (.303 in.) nom. jacket diameter
- Central isolation member
- Discontinuous foil aluminum polyester tape applied over the core
- Reverse sequential measurement markings on jacket

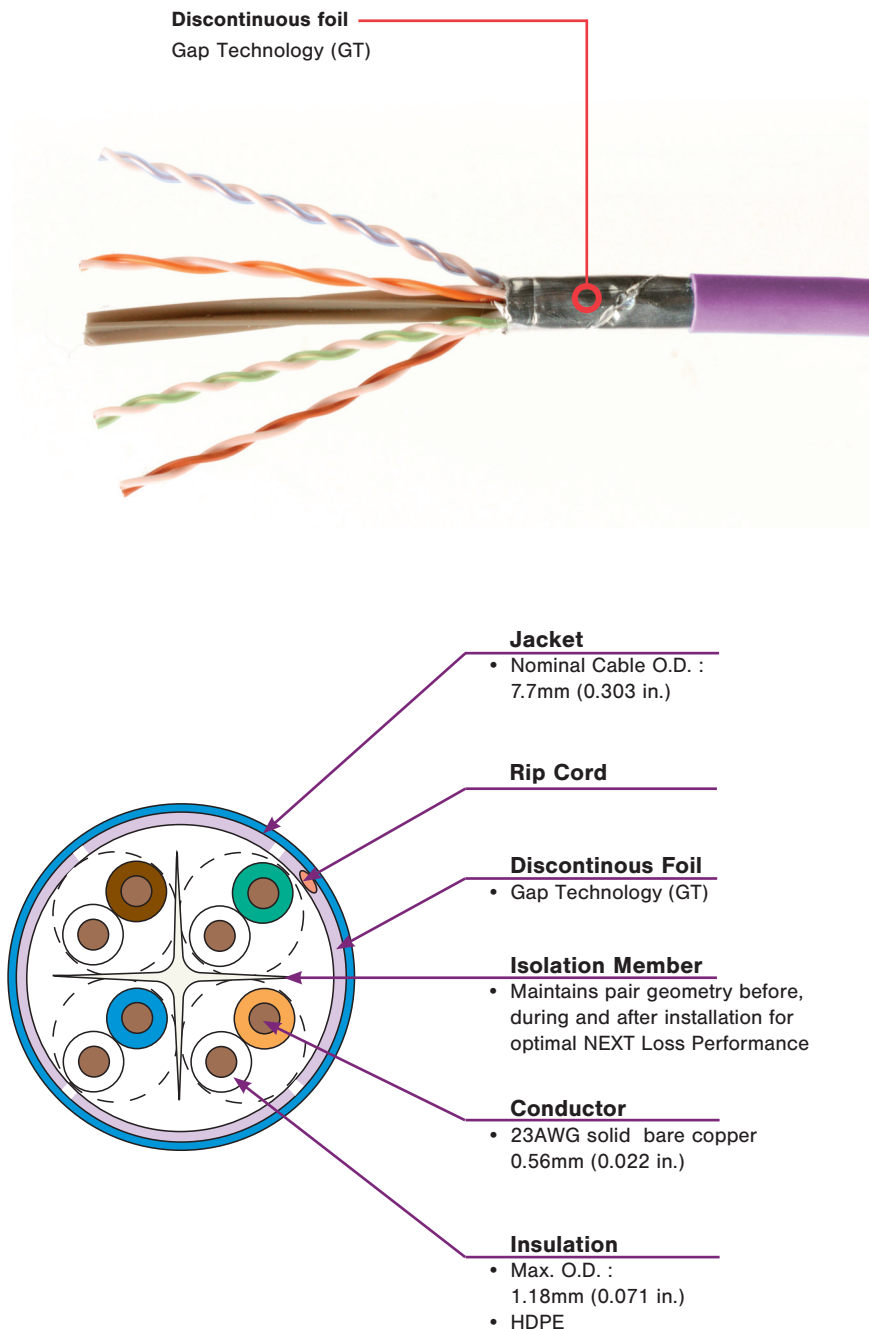
APPLICATIONS SUPPORT

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



Data | Power | Reach | Delivered



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.).

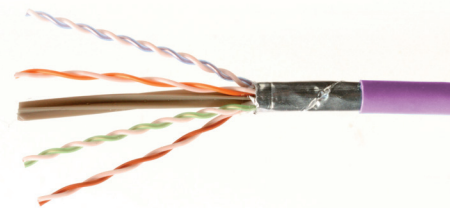
Ordering Information

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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