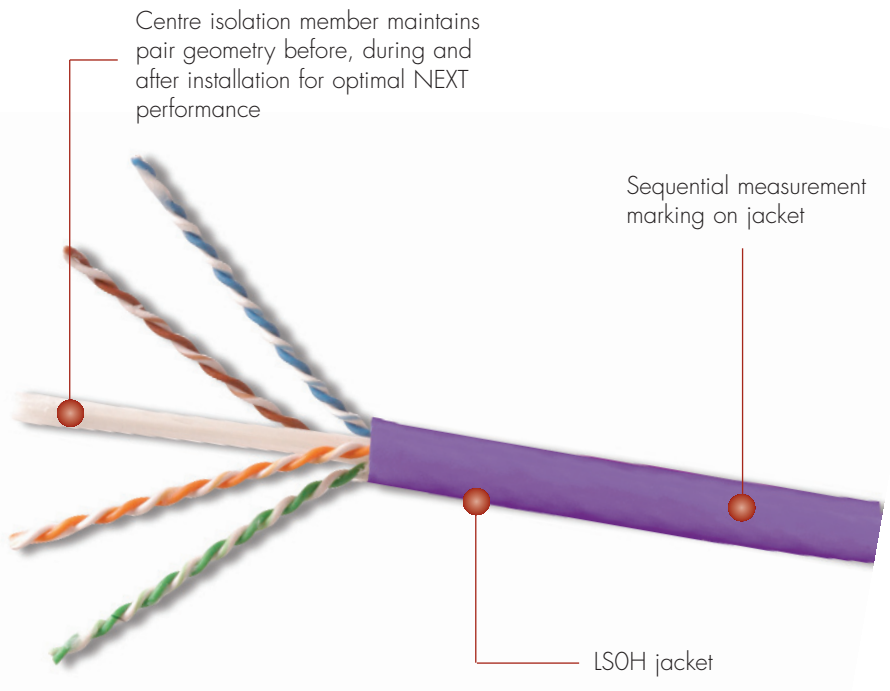
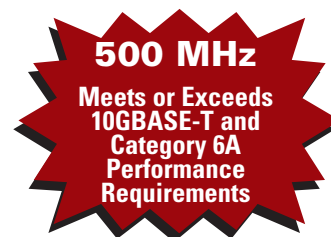


10G 6A™ UTP LSOH CABLE

Siemon's 10G 6A LSOH cable exceeds TIA-568-B.2-10 category 6A transmission performance requirements including alien crosstalk. When combined with our 10G 6A UTP connectivity, the result is a channel capable of supporting 10GBASE-T operation over 100-meter, 4-conductor topologies. The 10G 6A UTP cabling system supports emerging and converging IP applications like Voice Over IP (VoIP), IP video and future 10 gigabit applications.



10G ip™



Cable Construction

- UTP
- 0.57mm solid bare copper
- 9.14mm max jacket diameter
- Centre isolation member

Compliance

- ISO/IEC 11801:2002 (Category 6)
- ISO/IEC 11801: 2000/Amendment 1:2008 (Class EA)
- ISO/IEC 11801:2002/Amendment 2 (Category 6A draft)
- TIA-568-B.2-10
- TIA/EIA-568-B.2-1
- IEC 61156-5:2002 (Category 6)
- IEC 61156-5 ED 2.0 (draft)
- LSOH: IEC 60332-1, IEC 60754, and IEC 61034

CABLE — INTERNATIONAL

PRODUCT INFORMATION

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 - 250 MHz: 100 ± 15% 100 - 750 MHz: 100 ± 22%
NVP	69%
LCL	30-10log (f/100)dB
PSANEXT	62.5-15log(f/100)dB
PSAACR-F	38.2-20log(f/100)dB
Delay Skew	≤ 45ns



PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	110N
Bend Radius (min)	45.7mm
Installation Temperature	0 to 60°C
Storage Temperature	-20 to 75°C
Operating Temperature	-20 to 60°C

TRANSMISSION PERFORMANCE

TIA & ISO/IEC (DRAFT)

SIEMON TYPICAL

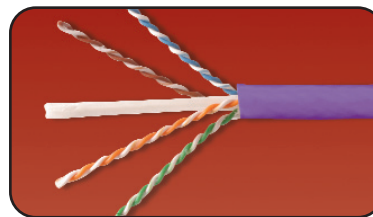
Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO	TIA	ISO
1.0	2.1	1.8	74.3	96.0	72.3	92.0	72.2	94.2	70.2	90.2	67.8	92.0	64.8	85.0	20.0	29.0	570	540
4.0	3.8	3.3	65.3	89.0	63.3	83.0	61.5	85.7	59.5	79.7	55.7	80.0	52.7	73.0	23.0	32.0	552	522
10.0	5.9	5.2	59.3	83.0	57.3	77.0	53.4	77.8	51.4	71.8	47.8	72.0	44.8	65.0	25.0	36.0	545	515
16.0	7.5	6.7	56.2	80.0	54.2	74.0	48.8	73.3	46.8	67.3	43.7	68.0	40.7	61.0	25.0	36.0	543	513
20.0	8.4	7.5	54.8	79.0	52.8	73.0	46.4	71.5	44.4	65.5	41.7	68.0	38.7	59.0	25.0	36.0	542	512
31.25	10.5	9.4	51.9	76.0	49.9	70.0	41.4	66.6	39.4	60.6	37.9	62.0	34.9	55.0	23.6	34.0	540	510
62.5	15.0	13.7	47.4	71.0	45.4	65.0	32.4	57.3	30.4	51.3	31.8	56.0	28.8	49.0	21.5	34.0	539	509
100.0	19.1	17.8	44.3	68.0	42.3	62.0	25.2	50.2	23.2	44.2	27.8	52.0	24.8	45.0	20.1	33.0	538	507
200.0	27.6	25.8	39.8	64.0	37.8	58.0	12.2	38.2	10.2	32.2	21.7	46.0	18.7	39.0	18.0	31.0	537	506
250.0	31.1	29.2	38.3	62.0	36.3	56.0	7.3	32.8	5.3	26.8	19.8	44.0	16.8	37.0	17.3	31.0	536	506
300.0	34.3	31.5	37.1	61.0	35.1	55.0	2.9	29.5	0.9	23.5	18.2	42.0	15.2	35.0	16.8	29.0	536	505
350.0	37.2	33.8	36.1	60.0	34.1	54.0	-1.1	26.2	-3.1	20.2	16.9	41.0	13.9	34.0	16.3	28.0	535	505
400.0	40.1	37.9	35.3	59.0	33.3	53.0	-4.8	21.1	-6.8	15.1	15.7	40.0	12.7	33.0	15.9	27.0	535	505
500.0	45.3	42.1	33.8	57.0	31.8	51.0	-11.4	14.9	-13.4	8.9	13.8	39.0	10.8	32.0	15.2	26.0	536	505
625.0*	51.2	44.9	32.4	53.0	30.4	50.0	-18.8	8.1	-20.8	5.1	11.8	36.0	8.8	29.0	14.5	25.0	535	505
750.0*	56.7	49.0	31.2	51.0	29.2	49.0	-25.5	2.0	-27.5	0.0	10.3	35.0	7.3	27.0	14.0	25.0	535	504

*Performance for frequencies beyond TIA and ISO requirements are for information only.

All performance based on 100 metres.

10G 6A™ UTP LSOH 4-Pair Cable:

9C6L4-A5LSOH (IEC 60332-1), Violet Jacket, 305m Reel



9C6L4-A5

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

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For related product information request Spec Sheet(s):

- 10G 6A UTP MAX® Modules (PROD-SS-MX10G6)
- 10G 6A UTP BladePatch® (PROD-SS-10G6ABDPUTP)
- 10G 6A UTP MC® Patch Cords (PROD-SS-MC10G6AUTP)
- 10G 6A MAX Panels (PROD-SS-10GPP)
- MAX International Faceplates (PROD-SS-MXFINT)

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