

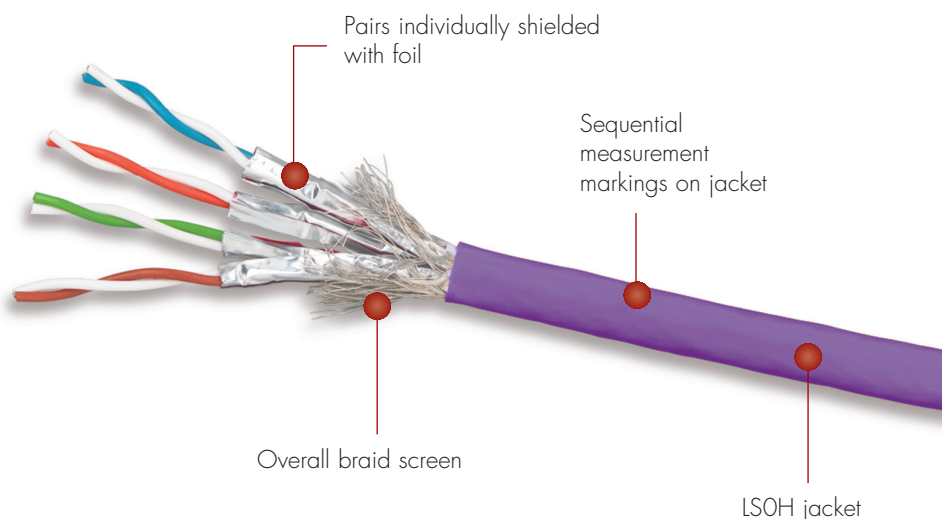
TERA® 1200 MHz CABLE

Part of the 10G *ip*™ cabling solution Siemon's TERA 1200 MHz cable perfectly complements the performance of our TERA outlets. Siemon cable exceeds all TIA/EIA and ISO/IEC requirements for ISO/IEC 15018 Broadcast Communications Technologies (BCT) and ISO/IEC 11801:2002 category 7/class F transmission performance as well as proposed category 7_A/class F_A. Utilising Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system.



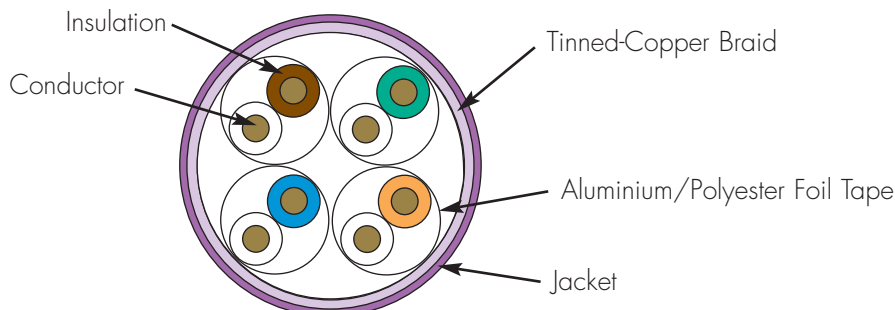
10G *ip*™

CABLE — INTERNATIONAL



Cable Construction

- S/FTP
- 0.64mm solid bare copper
- 8.4mm max jacket diameter
- Pairs individually shielded with aluminium-polyester foil
- Overall tinned-copper braid



Compliance

- ISO/IEC 11801:2002 (Category 7)
- ISO/IEC 11801 Amendment 1 (draft)
- ISO/IEC 15018 BCT Channel Application
- IEC 61156-7:2003
- IEC 61156-5:2002 (Category 7)
- IEC 61156-5 Ed 2.0 (Category 7A)
- LSOH: IEC 60332-1, IEC 60754, and IEC 61034

CONNECTING THE WORLD TO A HIGHER STANDARD

WWW.SIEMON.COM



PRODUCT INFORMATION



ELECTRICAL SPECIFICATIONS

DC Resistance	<17.0 Ω/100m
DC Resistance Unbalance	2%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
Characteristic Impedance (ohms)	1-100 MHz: 100 ± 15% 100-250 MHz: 100 ± 22% 250-1200 MHz: 100± 22%
NVP	80%
LCL	40-10 x log(f)dB
Delay Skew	≤25ns

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	110N
Bend Radius (min)	50mm
Installation Temperature	0 to 60°C
Storage Temperature	-20 to 75°C
Operating Temperature	-20 to 60°C

TRANSMISSION PERFORMANCE

IEC 61156-7

SIEMON TYPICAL

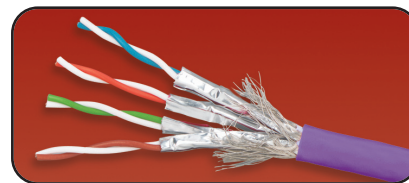
Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	1.9	1.6	78.0	105.0	75.0	102.0	76.1	103.0	73.1	100.0	77.0	96.0	75.0	94.0	20.0	31.0	536	512
4.0	3.5	3.0	78.0	105.0	75.0	102.0	74.6	102.0	71.6	99.0	77.0	96.0	75.0	94.0	23.0	34.0	518	494
10.0	5.4	4.9	78.0	105.0	75.0	102.0	72.6	100.0	69.6	97.0	74.0	96.0	71.0	94.0	25.0	35.0	511	487
16.0	6.8	6.3	78.0	105.0	75.0	102.0	71.2	99.0	68.2	96.0	70.0	96.0	67.0	94.0	25.0	35.0	509	485
20.0	7.6	7.0	78.0	105.0	75.0	102.0	70.3	98.0	67.4	95.0	68.0	96.0	65.0	94.0	25.0	35.0	508	484
31.25	9.6	8.9	78.0	105.0	75.0	102.0	68.5	96.0	65.5	93.0	64.0	93.0	61.0	91.0	23.6	34.0	506	482
62.5	13.7	12.8	78.0	105.0	75.0	102.0	64.3	92.0	61.3	89.0	58.0	88.0	55.0	86.0	21.5	32.0	505	481
100.0	17.5	16.5	76.0	105.0	73.0	102.0	58.5	89.0	55.5	86.0	54.0	82.0	51.0	80.0	20.1	31.0	504	480
200.0	25.3	23.5	71.0	102.0	68.0	100.0	46.2	79.0	43.2	77.0	48.0	78.0	45.0	75.0	18.0	29.0	503	479
250.0	28.5	28.2	70.0	102.0	67.0	100.0	41.5	74.0	38.5	72.0	46.0	75.0	43.0	70.0	17.3	28.0	502	502
300.0	31.5	28.9	69.0	102.0	66.0	97.0	37.3	73.0	34.3	68.0	44.0	70.0	41.0	68.0	17.3	28.0	502	478
350.0	34.3	31.5	68.0	100.0	65.0	97.0	33.6	69.0	30.6	66.0	43.0	70.0	40.0	63.0	17.3	28.0	502	478
400.0	36.9	33.1	67.0	95.0	64.0	93.0	30.1	62.0	27.1	60.0	42.0	66.0	39.0	59.0	17.3	28.0	502	478
550.0	44.1	40.2	65.0	95.0	62.0	93.0	20.8	55.0	17.8	53.0	39.0	60.0	36.0	56.0	17.3	28.0	502	478
600.0	46.3	41.7	64.0	95.0	61.0	93.0	18.0	53.0	15.0	51.0	38.0	55.0	35.0	53.0	17.3	28.0	502	478
800.0	54.5	47.6	62.0	90.0	59.0	87.0	7.9	42.0	4.9	39.0	36.0	47.0	33.0	44.0	16.1	28.0	501	477
1000.0	62.0	54.5	61.0	85.0	58.0	83.0	-1.0	31.0	-4.0	29.0	34.0	40.0	31.0	38.0	15.1	27.0	501	477
1200.0	69.0	59.8	60.0	80.0	57.0	77.0	-9.2	20.0	-12.2	17.0	32.0	35.0	29.0	33.0	14.3	27.0	501	477

*Values below 4 MHz are informational only.

All performance based on 100 metres.

TERA® 1200 MHz 4-pair Solid S/FTP Cable:

- 9T7L4-E12LSOH (IEC 60332.1), Violet Jacket, 305m
- 9T7L4-E12-5CRLSOH (IEC 60332.1), Violet Jacket, 500m
- 9T7L4-E12-1KRLSOH (IEC 60332.1), Violet Jacket, 1000m



9T7L4-E12

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

TERA® is a trademark of Siemon

For related product information request Spec Sheet(s):

- TERA Outlets (PROD-SS-TRAO)
- TERA Patch Panels (PROD-SS-TRAPP)
- TERA Patch Cords (PROD-SS-TRAPC)
- TERA S/FTP Trunking Cable Assemblies (PROD-SS-TRATC)

Siemon — EMEA HQ & UK
United Kingdom
Tel: +44 (0) 1932 571771

Siemon — France
Paris
Tel: +33 1 46 46 11 85

Siemon — Deutschland
Frankfurt
Tel: +49 (0) 69 97168 184

Siemon — Italia
Milano
Tel: +39 (02) 64 672 209