

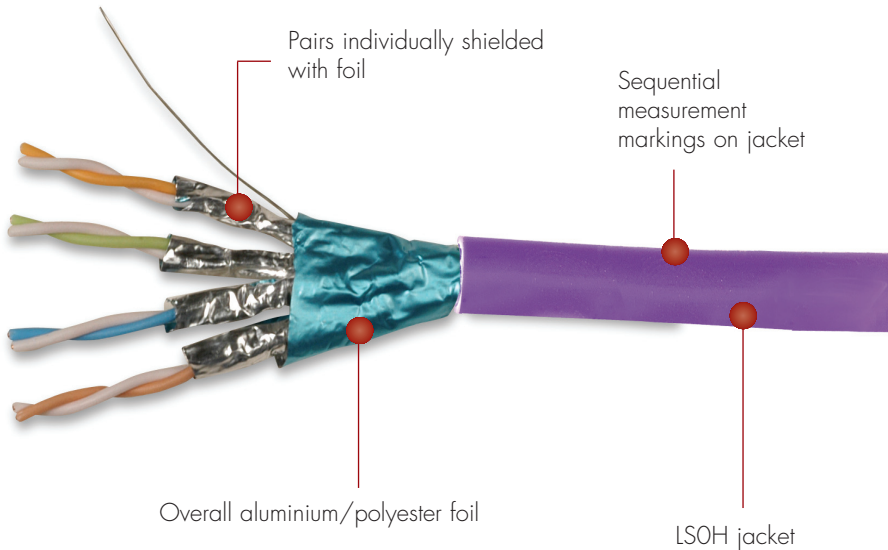
# TERA® 600 MHz F/FTP CABLE

Part of the 10G *ip*™ cabling solution Siemon's TERA 600 MHz F/FTP cable perfectly complements the performance of our TERA outlets. Siemon cable exceeds all TIA/EIA and ISO/IEC requirements for category 7/class F transmission performance. Utilizing Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system. The TERA 600 MHz F/FTP cable is compatible with both TERA outlets and 10G 6A™ F/UTP MAX® modules.



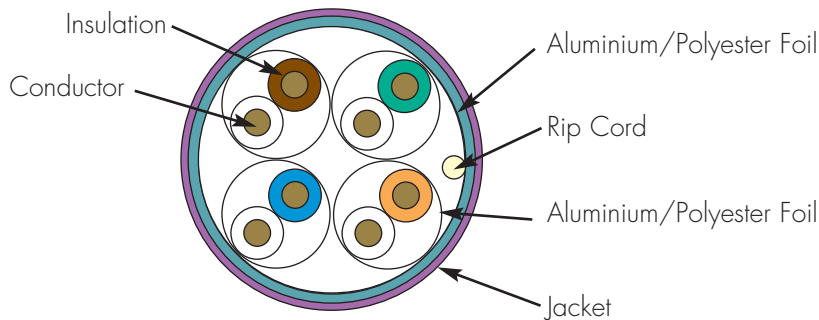
10G *ip*™

CABLE — INTERNATIONAL



### Cable Construction

- F/FTP
- 0.57mm solid bare copper
- 8.4mm max jacket diameter
- Pairs individually shielded with aluminium-polyester foil
- Overall aluminium/polyester foil tape



### Compliance

- ISO/IEC 11801:2002 category 7
- IEC 61156-5:2002 category 7
- LSOH: IEC 60332-1, IEC 60754, and IEC 61034

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# 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% 250-600 MHz: 100± 22%
NVP	80%
LCL	40-10 x log(f/dB)
Delay Skew	≤20ns

## PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	110N (25 lbf)
Bend Radius (min)	50mm (2 in.)
Installation Temperature	0 to 60°C
Storage Temperature	-20 to 75°C
Operating Temperature	-20 to 60°C

## TRANSMISSION PERFORMANCE

■ IEC 61156-5

□ SIEMON TYPICAL

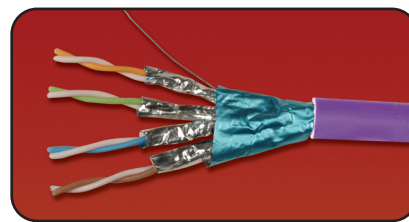
Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon	IEC	Siemon
1.0*	2.0	1.7	78.0	100.0	75.0	97.0	76.0	98.3	73.0	95.3	78.0	90.0	75.0	87.0	20.0	30.0	570	492
4.0	3.7	3.4	78.0	100.0	75.0	97.0	74.3	96.6	71.3	93.6	78.0	90.0	75.0	87.0	23.0	33.0	552	474
10.0	5.9	5.0	78.0	100.0	75.0	97.0	72.1	95.0	69.1	92.0	74.0	90.0	71.0	87.0	25.0	35.0	545	467
16.0	7.4	6.4	78.0	100.0	75.0	97.0	70.6	93.6	67.6	90.6	69.9	90.0	66.9	87.0	25.0	35.0	543	465
20.0	8.3	7.1	78.0	100.0	75.0	97.0	69.7	92.9	66.7	89.9	68.0	90.0	65.0	87.0	25.0	35.0	542	464
31.25	10.4	9.0	78.0	100.0	75.0	97.0	67.6	91.0	64.6	88.0	64.1	90.0	61.1	87.0	23.6	33.6	540	462
62.5	14.9	13.0	75.5	100.0	72.5	97.0	60.6	87.0	57.6	84.0	58.1	85.0	55.1	82.0	21.5	31.5	539	461
100.0	19.0	16.8	72.4	98.0	69.4	95.0	53.4	81.2	50.4	78.2	54.0	81.0	51.0	78.0	20.1	30.1	538	460
200.0	27.5	23.9	67.9	93.0	64.9	90.0	40.4	69.1	37.4	66.1	48.0	77.0	45.0	74.0	18.0	28.0	537	459
250.0	31.0	28.5	66.4	92.1	63.4	89.1	35.5	63.6	32.5	60.6	46.0	76.0	43.0	73.0	17.3	27.3	536	458
300.0	34.2	29.2	65.2	91.0	62.2	88.0	31.1	61.8	28.1	58.8	44.5	71.0	41.5	68.0	17.3	27.3	536	458
350.0	37.2	31.8	64.2	90.3	61.2	87.3	27.1	58.5	24.1	55.5	43.1	69.0	40.1	66.0	17.3	27.3	536	458
400.0	40.0	33.4	63.4	89.1	60.4	86.1	23.4	55.7	20.4	52.7	42.0	68.1	39.0	65.1	17.3	27.3	536	458
550.0	47.7	37.2	61.3	87.3	58.3	84.3	13.6	50.1	10.6	47.1	39.2	66.2	36.2	63.1	17.3	27.3	536	458
600.0	50.1	42.5	60.7	86.1	57.7	83.1	10.6	43.6	7.6	40.6	38.4	60.0	35.4	57.0	17.3	27.3	536	458

\*Values below 4 MHz are informational only.

All performance based on 100 metres.

## TERA® 600 MHz 4-Pair Solid F/FTP Cable:

- 9N7L4-E6 .....LSOH (IEC 60332-1), Violet Jacket, 305m
- 9N7L4-E6-5CR .....LSOH (IEC 60332-1), Violet Jacket, 500m
- 9N7L4-E6-1KR .....LSOH (IEC 60332-1), Violet Jacket, 1000m



9N7L4-E6

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)

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