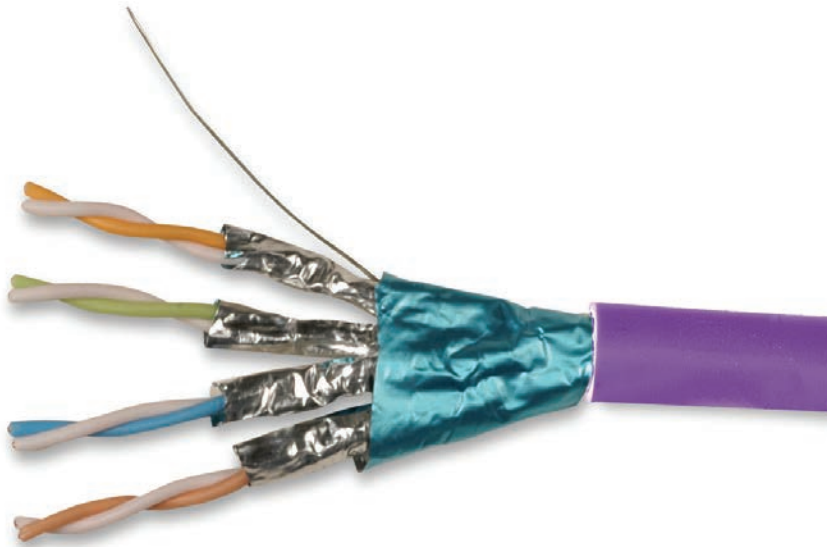


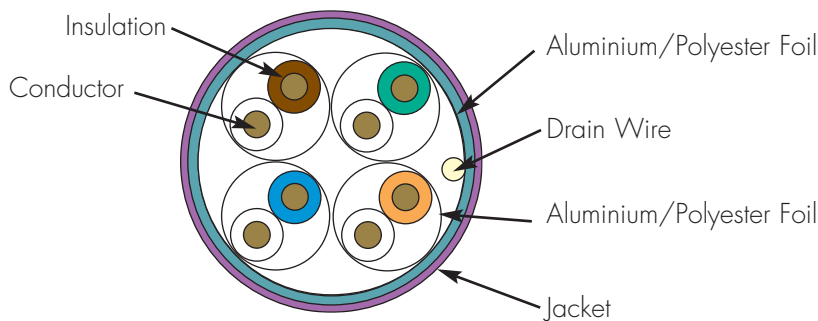
TERA® 600 MHz F/FTP Cable

Siemon's TERA 600 MHz F/FTP cable perfectly complements the performance of our TERA outlets. Siemon cable exceeds all 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 Z-MAX 6A shielded outlets.



Cable Construction

- F/FTP
- 0.57mm solid (non-tinned) copper
- 7.3mm nominal jacket diameter
- Pairs individually shielded with aluminium-polyester foil
- Overall aluminium/polyester foil tape



Compliance

- ISO/IEC 11801:Ed 2.2 category 7
- IEC 61156-5:Ed 2.0 Category 7
- LS0H: IEC 60332-1, IEC 60754, and IEC 61034

Product Information

CABLE — INTERNATIONAL

ELECTRICAL SPECIFICATIONS

DC Resistance	<16.5 \neq 100m
DC Resistance Unbalance	\leq 2%
Mutual Capacitance	4.3 nF/100m
Capacitance Unbalance	\leq 150 pF/100m
Characteristic Impedance (ohms)	1-100 MHz: 100 \pm 15% 100-250 MHz: 100 \pm 18% 250-600 MHz: 100 \pm 22%
NVP	72%
TCL	40-10 x log(f)dB
Delay Skew	\leq 12ns

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	100N (23 lbf)
Bend Radius (min)	50mm (2 in.)
Installation Temperature	0 to 60°C
Storage Temperature	-20 to 75°C
Operating Temperature	-20 to 75°C

TRANSMISSION PERFORMANCE

IEC 61156-5

SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	1*	2*	78.0	105.8	75.0	98.5	76.0	104.1	73.0	96.8	78.0	109.5	75.0	100.9	20.0	30.3	570	448
4	3.7	3.4	78.0	114.2	75.0	107.7	74.3	110.9	71.3	104.3	78.0	112.4	75.0	102.5	23.0	28.3	552	444
10	5.9	5.2	78.0	108.9	75.0	103.1	72.1	103.8	69.1	97.9	75.3	114.4	72.3	104.9	25.0	33.3	545	440
16	7.4	6.5	78.0	104.5	75.0	98.9	70.6	97.9	67.6	92.4	71.2	111.2	68.2	105.6	25.0	34.3	543	439
20	8.3	7.4	78.0	104.5	75.0	99.0	69.7	97.2	66.7	91.6	69.3	105.9	66.3	100.0	25.0	32.7	542	439
31.25	10.4	9.4	78.0	108.8	75.0	102.1	67.6	99.4	64.6	92.7	65.4	107.5	62.4	101.2	23.6	34.5	540	438
62.5	14.9	13.4	75.5	104.6	72.5	97.5	60.6	91.1	57.6	84.0	59.4	105.3	56.4	97.1	21.5	33.8	539	437
100	19.0	17.1	72.4	104.6	69.4	98.7	53.4	87.5	50.4	81.6	55.3	91.5	52.3	84.2	20.1	36.5	538	437
200	27.5	24.4	67.9	104.6	64.9	98.1	40.4	80.2	37.4	73.7	49.3	84.7	46.3	78.6	18.0	34.5	537	436
250	31.0	27.4	66.4	107.2	63.4	100.7	35.5	79.8	32.5	73.3	47.3	90.6	44.3	81.2	17.3	39.1	536	436
300	34.2	30.1	65.2	108.6	62.2	101.4	31.1	78.4	28.1	71.3	45.8	83.8	42.8	78.3	17.3	37.0	536	436
350	37.2	32.6	64.2	105.0	61.2	98.7	27.1	72.3	24.1	66.1	44.4	78.8	41.4	71.9	17.3	37.3	536	436
400	40.0	35.0	63.4	106.6	60.4	99.8	23.4	71.5	20.4	64.8	43.3	75.6	40.3	69.7	17.3	33.8	536	436
550	45.3	39.4	61.9	104.1	58.9	97.3	16.7	64.8	13.7	58.0	41.3	77.0	38.3	69.2	17.3	34.8	536	436
600	50.1	43.3	60.7	99.6	57.7	90.1	10.6	56.3	7.6	46.8	39.7	65.5	36.7	59.4	17.3	32.4	535	436
800*	58.9	50.5	58.9	100.2	55.9	90.9	0.1	49.7	3.1	40.4	37.2	65.1	34.2	59.8	17.3	31.9	535	436

*Values below 4 MHz and above 600MHz 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-E6-5CRLSOH (IEC 60332-1), Violet Jacket, 500m
- 9N7L4-E6-1KRLSOH (IEC 60332-1), Violet Jacket, 1000m

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-TRA0)
- 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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