

TERA[®] 600 MHz F/FTP Cable - International

Simon's TERA 600 MHz F/FTP cable perfectly complements the performance of our TERA outlets. Simon cable exceeds all ISO/IEC requirements for category 7/class F transmission performance. Utilizing Simon 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.

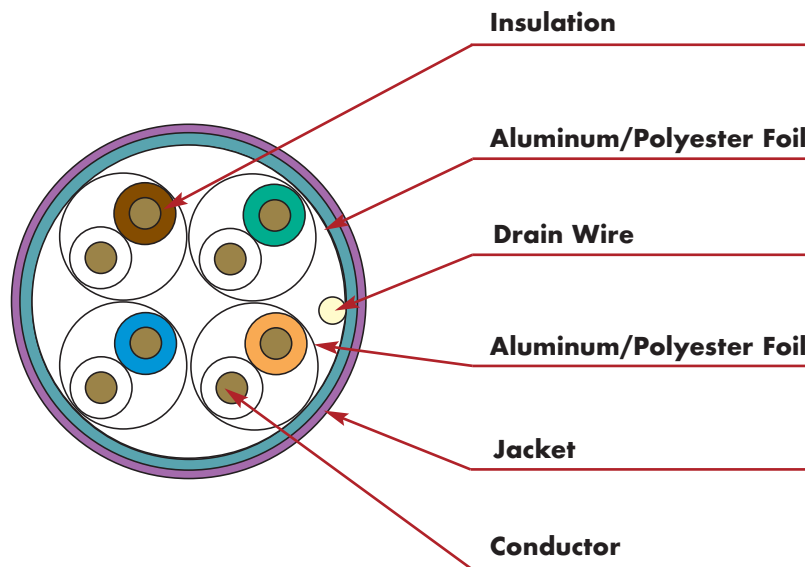
CABLE — INTERNATIONAL

COMPLIANCE

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

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



Product Information

CABLE — INTERNATIONAL

ELECTRICAL SPECIFICATIONS

DC Resistance	<16.5Ω/100m
DC Resistance Unbalance	≤2%
Mutual Capacitance	4.3 nF/100m
Capacitance Unbalance	<150 pF/100m
Characteristic impedance (ohms)	1-100 MHz: 100 ± 15% 100-250 MHz: 100 ± 18% 250-600 MHz: 100± 22%
NVP	72%
TCL	40-10 log(f) dB
Delay Screw	≤12ns

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	100N (23 lbf)
Bend Radius (min)	50mm (2.0 in.)
Installation Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Operating Temperature	-20 to 75°C (-4 to 167°F)

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)	
	100m	305m	100m	305m	100m	305m	100m	305m	100m	305m	100m	305m	100m	305m	100m	305m	100m	305m
1*	2.0	1.7	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 600 Mhz are informational only.

All performance based on 100 meters (328 ft.).

Ordering Information

Part #	Description
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



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

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