

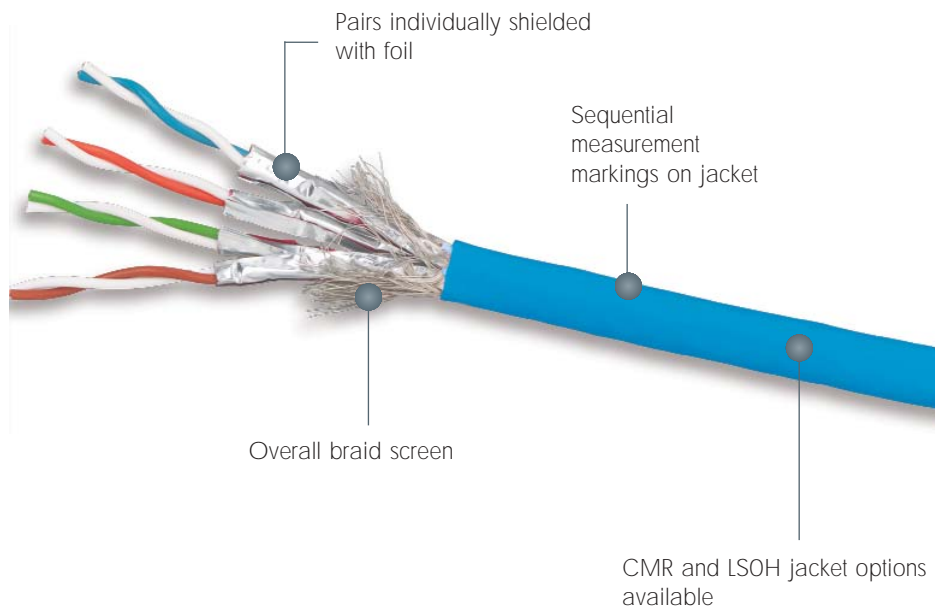
TERA™ 1200 MHz CABLE

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. Utilizing Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system.



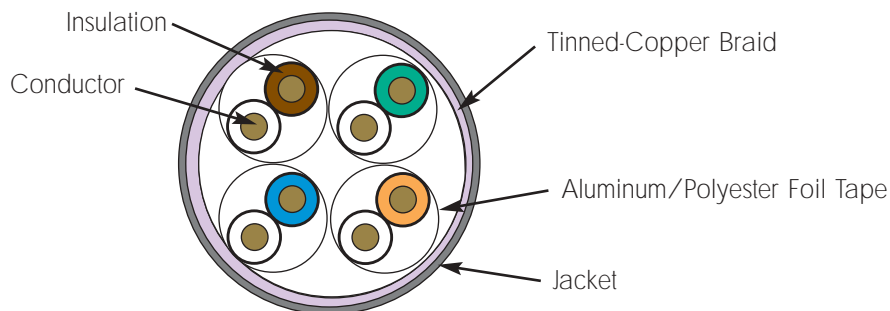
10G *ip*™

SHIELDED PRODUCTS



Cable Construction

- S/FTP
- 0.64mm (0.025 in.) (22 AWG) solid bare copper
- 8.4mm (0.33 in.) max jacket diameter
- Pairs individually shielded with aluminum/polyester foil
- Overall tinned-copper braid



Compliance

- ISO/IEC 15018 BCT Channel Application
- IEC 61156-7:2003
- ISO/IEC 11801:2002 category 7/class F
- ISO/IEC requirements for transfer impedance and coupling attenuation
- IEC 61156-5:2002

PRODUCT INFORMATION

SHIELDED PRODUCTS

TRANSMISSION PERFORMANCE

IEC 61156-7 1200MHz SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB/100m)*		NEXT (dB/100m)*		PS NEXT (dB/100m)*		ELFEXT (dB/100m)		PS ELFEXT (dB/100m)		Return Loss (dB/100m)*		Propagation Delay (ns/100m)		Delay Skew	
	1.9	1.6	78.0	105.0	75.0	102.0	77.0	96.0	75.0	94.0	20.0	31.0	536	512	25.0	10.0
4.0	3.5	3.0	78.0	105.0	75.0	102.0	77.0	96.0	75.0	94.0	23.0	34.0	518	494	25.0	10.0
10.0	5.4	4.9	78.0	105.0	75.0	102.0	74.0	96.0	71.0	94.0	25.0	35.0	511	487	25.0	10.0
16.0	6.8	6.3	78.0	105.0	75.0	102.0	70.0	96.0	67.0	94.0	25.0	35.0	509	485	25.0	10.0
20.0	7.6	7.0	78.0	105.0	75.0	102.0	68.0	96.0	65.0	94.0	25.0	35.0	508	484	25.0	10.0
31.25	9.6	8.9	78.0	105.0	75.0	102.0	64.0	93.0	61.0	91.0	23.6	34.0	506	482	25.0	10.0
62.5	13.7	12.8	78.0	105.0	75.0	102.0	58.0	88.0	55.0	86.0	21.5	32.0	505	481	25.0	10.0
100.0	17.5	16.5	76.0	105.0	73.0	102.0	54.0	82.0	51.0	80.0	20.1	31.0	504	480	25.0	10.0
200.0	25.3	23.5	71.0	102.0	68.0	100.0	48.0	78.0	45.0	75.0	17.3	29.0	503	479	25.0	10.0
250.0	28.5	28.2	70.0	102.0	67.0	100.0	46.0	75.0	43.0	70.0	17.3	28.0	502	502	25.0	10.0
300.0	31.5	28.9	69.0	102.0	66.0	97.0	44.0	70.0	41.0	68.0	17.3	28.0	502	478	25.0	10.0
350.0	34.3	31.5	68.0	100.0	65.0	97.0	43.0	70.0	40.0	63.0	17.3	28.0	502	478	25.0	10.0
400.0	36.9	33.1	67.0	95.0	64.0	93.0	42.0	66.0	39.0	59.0	17.3	28.0	502	478	25.0	10.0
550.0	44.1	40.2	65.0	95.0	62.0	93.0	39.0	60.0	36.0	56.0	17.3	28.0	502	478	25.0	10.0
600.0	46.3	41.7	64.0	95.0	61.0	93.0	38.0	55.0	35.0	53.0	17.3	28.0	502	478	25.0	10.0
800.0	54.5	47.6	62.0	90.0	59.0	87.0	36.0	47.0	33.0	44.0	8.3	28.0	501	477	25.0	10.0
1000.0	62.0	54.5	61.0	85.0	58.0	83.0	34.0	40.0	31.0	38.0	7.3	27.0	501	477	25.0	10.0
1200.0	69.0	59.8	60.0	80.0	57.0	77.0	32.0	35.0	29.0	33.0	6.5	27.0	501	477	25.0	10.0

All performance based on 100 meters.

*Values below 4 MHz are informational only.

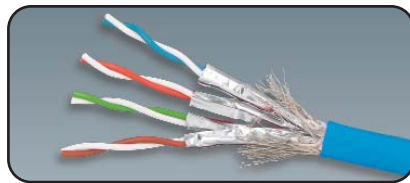
ELECTRICAL CHARACTERISTICS

Characteristic Impedance (no impedance averaging allowed)	1-200 MHz: 100 ohms ± 15% 200-1200 MHz: 100 ohms ± 25%
Nominal Velocity of Propagation (NVP)	0.80

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

9T7R4-E12Riser (CMR, CSA FT4), Blue Jacket
9T7L4-E12LSOH (IEC 332.1) , Violet Jacket

Cable is available on 305m (1000 ft.), 500m (1640 ft) and 1000m (3281 ft.) reels



9T7R4-E12



9T7L4-E12

Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice.
TERA™ is a trademark of The Siemon Company

For related product information request Spec Sheet(s):
TERA™ Products (PROD-SS-TRA)

The Americas
Watertown, CT USA
Phone (1) 860 945 4200

Europe/Middle East/Africa
Surrey, England
Phone (44) 0 1483 480040

Asia/Pacific
Shanghai, P.R. China
Phone (86) 21 6390 6778

WWW.SIEMON.COM

