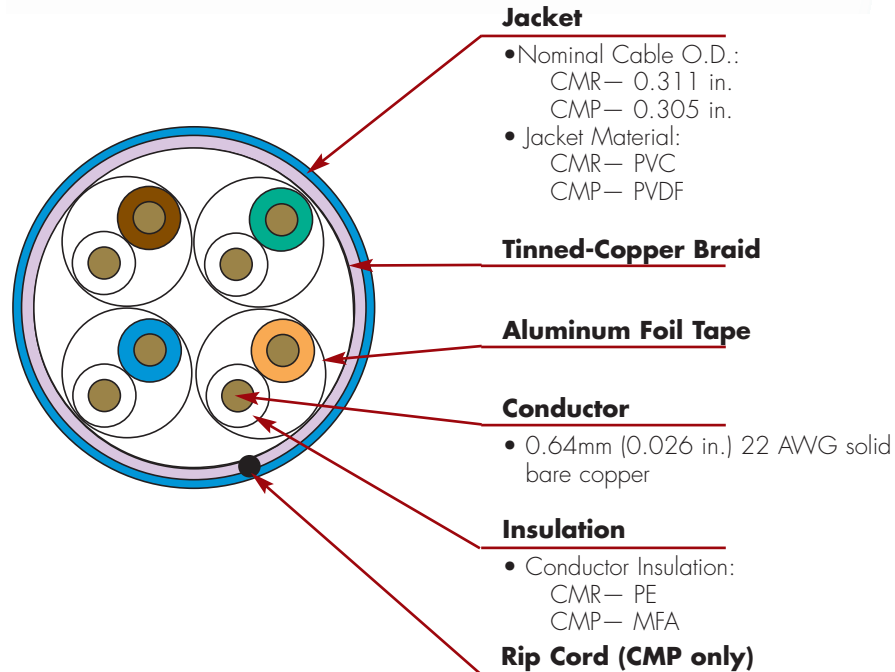
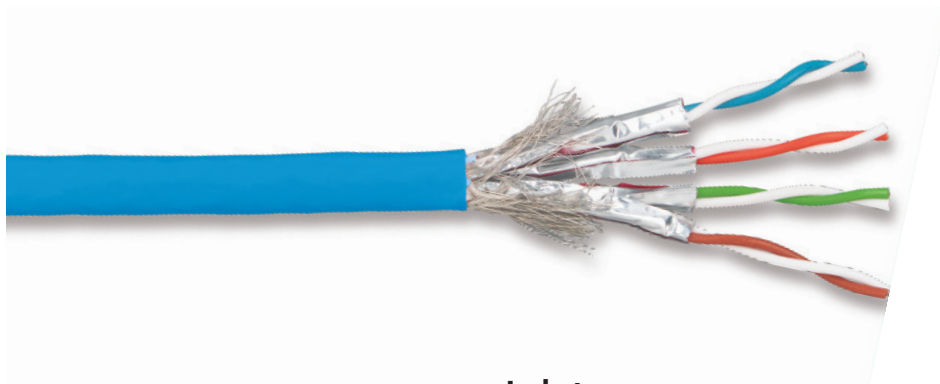


TERA® 1000 MHz CABLE — US

Siemon's TERA 1000 MHz cable perfectly complements the performance of our TERA outlets. Siemon cable exceeds all ISO/IEC requirements for Category 7_A/class F_A 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.



CABLE — US



CONSTRUCTION

- S/FTP
- Sequential measurement markings on jacket
- Round jacket
- Pairs individually shielded with aluminum-polyester foil
- Overall tinned-copper braid
- Weight
 - CMR — 45 lbs/1000 ft.
 - CMP — 52 lbs/1000 ft.

COMPLIANCE

- IEC 61156-5 Ed 2.0 (Category 7_A)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2002/Amendment 2:2010
- C (UL) US CMP, CMR 191086
- EN 50288 • EN55022
- EN 50173 • EN55024
- IEEE 802.3an

ETHERNET APPLICATIONS SUPPORT

- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T

PRODUCT INFORMATION

TERA S/FTP 1000 MHz Cable

ELECTRICAL SPECIFICATIONS

| | CMP | CMR |
|-------------------------|-----------------|-----------------|
| DC Resistance | <9.5 Ω/100m | <9.5 Ω/100m |
| DC Resistance Unbalance | 2% | 1% |
| Mutual Capacitance | 5.6 nF/100m | 5.6 nF/100m |
| Capacitance Unbalance | < 160 pF/100m | < 160 pF/100m |
| NVP | 60% | 79% |
| TCL (dB/100m) | >40-10 x log(f) | >40-10 x log(f) |
| Delay Skew | < 45 ns/100m | < 6 ns/100m |

PHYSICAL PROPERTIES

| | CMP | CMR |
|--------------------------|---------------------------|----------------------------|
| Pulling Tension (max) | 110N (25 lbf) | 179N (40 lbf) |
| Bend Radius (min) | 50mm (2 in.) | 50mm (2 in.) |
| Installation Temperature | 0 to 50°C (+32 to 122°F) | -36 to 60°C (-32 to 140°F) |
| Storage Temperature | -20 to 75°C (-4 to 167°F) | -34 to 75°C (-30 to 167°F) |
| Operating Temperature | -20 to 60°C (-4 to 140°F) | -34 to 60°C (-30 to 140°F) |

TRANSMISSION PERFORMANCE

■ GUARANTEED WORST CASE

□ 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* | 2.1 | 1.7 | 78.0 | 104.4 | 75.0 | 98.9 | 75.9 | 102.6 | 72.9 | 97.2 | 105.3 | 106.5 | 75.0 | 92.2 | 20.0 | 28.1 | 512 | 443 |
| 4 | 3.7 | 3.2 | 78.0 | 112.5 | 75.0 | 105.9 | 74.3 | 109.3 | 71.3 | 102.7 | 93.3 | 113.9 | 75.0 | 103.6 | 23.0 | 30.9 | 494 | 443 |
| 10 | 5.8 | 4.9 | 78.0 | 111.3 | 75.0 | 104.8 | 72.2 | 106.4 | 69.2 | 99.9 | 85.3 | 104.6 | 75.0 | 97.3 | 25.0 | 40.7 | 487 | 442 |
| 16 | 7.3 | 6.2 | 78.0 | 104.8 | 75.0 | 99.9 | 70.7 | 98.5 | 67.7 | 93.7 | 81.2 | 99.7 | 75.0 | 93.8 | 25.0 | 41.3 | 485 | 440 |
| 20 | 8.2 | 7.0 | 78.0 | 106.4 | 75.0 | 100.6 | 69.8 | 99.4 | 66.8 | 93.6 | 79.3 | 94.8 | 75.0 | 89.4 | 25.0 | 43.5 | 484 | 440 |
| 31.25 | 10.3 | 9.0 | 78.0 | 108.1 | 75.0 | 101.1 | 67.7 | 99.1 | 64.7 | 92.1 | 75.4 | 94.8 | 72.4 | 88.7 | 23.6 | 45.3 | 482 | 439 |
| 62.5 | 14.6 | 12.9 | 78.0 | 107.2 | 75.0 | 101.7 | 63.4 | 94.3 | 60.4 | 88.8 | 69.4 | 93.0 | 66.4 | 86.0 | 21.5 | 43.7 | 481 | 438 |
| 100 | 18.5 | 16.5 | 78.0 | 108.0 | 75.0 | 101.0 | 59.5 | 91.4 | 56.5 | 84.4 | 65.3 | 92.8 | 62.3 | 83.2 | 20.1 | 38.5 | 480 | 438 |
| 200 | 26.5 | 23.9 | 73.9 | 107.0 | 70.9 | 100.6 | 47.4 | 83.0 | 44.4 | 76.7 | 59.3 | 81.9 | 56.3 | 77.7 | 18.0 | 33.1 | 479 | 437 |
| 250 | 29.7 | 27.0 | 72.4 | 106.3 | 69.4 | 100.7 | 42.7 | 79.4 | 39.7 | 73.7 | 57.3 | 76.4 | 54.3 | 72.6 | 17.3 | 35.1 | 478 | 437 |
| 300 | 32.7 | 29.8 | 71.2 | 105.3 | 68.2 | 98.5 | 38.6 | 75.5 | 35.6 | 68.6 | 55.8 | 71.3 | 52.8 | 67.1 | 17.3 | 33.7 | 478 | 437 |
| 350 | 35.4 | 32.4 | 70.2 | 106.9 | 67.2 | 101.0 | 34.8 | 74.5 | 31.8 | 68.5 | 54.4 | 80.4 | 51.4 | 67.2 | 17.3 | 35.5 | 478 | 437 |
| 400 | 38.0 | 35.0 | 69.4 | 104.7 | 66.4 | 98.5 | 31.4 | 69.7 | 28.4 | 63.6 | 53.3 | 72.3 | 50.3 | 63.0 | 17.3 | 33.7 | 478 | 437 |
| 550 | 45.0 | 41.8 | 67.3 | 104.3 | 64.3 | 98.0 | 22.3 | 62.5 | 19.3 | 56.2 | 50.5 | 66.3 | 47.5 | 57.4 | 17.3 | 30.8 | 478 | 437 |
| 600 | 47.1 | 43.8 | 66.7 | 106.5 | 63.7 | 100.5 | 19.6 | 62.7 | 16.6 | 56.6 | 49.7 | 66.4 | 46.7 | 54.0 | 17.3 | 28.5 | 477 | 437 |
| 800 | 54.9 | 51.7 | 64.9 | 105.8 | 61.9 | 98.7 | 9.9 | 54.1 | 6.9 | 46.9 | 47.2 | 58.1 | 44.2 | 47.8 | 16.1 | 29.7 | 477 | 437 |
| 900 | 58.5 | 55.3 | 64.1 | 105.8 | 61.1 | 97.7 | 5.6 | 50.5 | 2.6 | 42.3 | 46.2 | 51.2 | 43.2 | 45.6 | 15.5 | 29.9 | 477 | 438 |
| 1000 | 61.9 | 59.4 | 63.4 | 102.3 | 60.4 | 93.7 | 1.5 | 43.0 | -1.5 | 34.3 | 45.3 | 50.4 | 42.3 | 44.8 | 15.1 | 24.5 | 477 | 440 |

*Values below 4 MHz are informational only.

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

TERA S/FTP Plenum 4-Pair Cable (CMP, CSA Type FT6):

9T7P4-E10-06-R1Plenum, blue jacket, 1000 ft. Reel

TERA S/FTP Riser 4-Pair Cable (CMR, CSA Type FT4):

9T7R4-E10-06-R1Riser, blue jacket, 1000 ft. Reel

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)

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

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