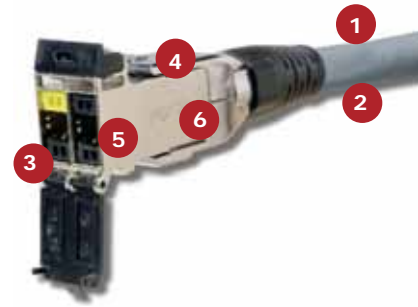# TERA® S/FTP SYSTEM

Exceeding ISO/IEC category 7_A /class F_A specifications, Siemon's fully shielded TERA end-to-end cabling solution is the highest-performing, most secure twisted-pair copper cabling system available. TERA supports performance beyond 10Gb/s and passes stringent TEMPEST security testing.

The only non-RJ connector approved as a category 7_A/class F_A interface, TERA fits within a standard RJ45 footprint and is easily connected to RJ45 equipped electronics via TERA to RJ patch cords.

TERA OUTLET:

TERA outlets are the industry's highest perform-ing network cabling connectors. Outlets accept 1-, 2- and 4-pair plugs and terminate fully shielded category 7A cables. TERA outlets can be used in both the work area and in the telecommunications room.
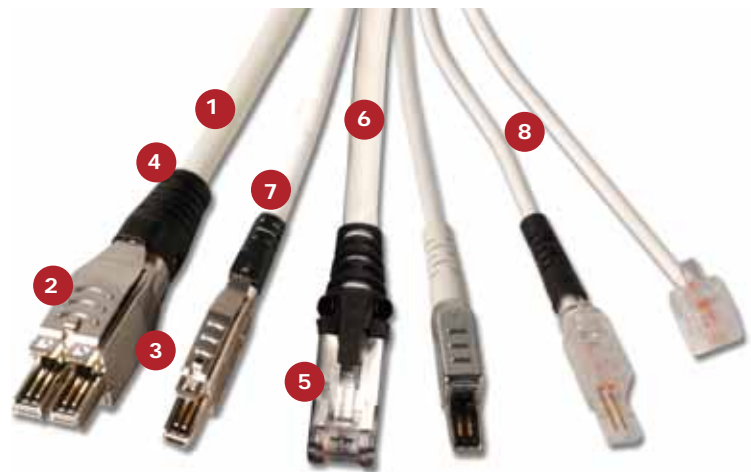

1 **Fully Shielded** — Virtually eliminates alien crosstalk

2 **Shielded Termination** — Connector assures proper termination of cable shield, no additional crimping or processes are required for grounding cable

3 **Compact Design** — Slim, compact design allows outlets to be side-stacked and inserted from either the front or rear of faceplate or patch panel

4 **Hinged Door** — Outlets include a hinged door to prevent exposure to dust and other contaminants

5 **Quadrant Isolation** — Shielded quadrant design fully isolates pairs for optimum NEXT performance

6 **Cable Sharing** — TERA's ability to share one 4-pair cable and outlet to support multiple applications can save significant material and installation costs

TERA PATCH CORDS:

TERA-to-TERA 4-pair patch cords deliver twice the bandwidth of class F specifica-tions when combined with the TERA out-let.

Unleash the power and flexibility of your TERA cabling with a variety of TERA patch cords designed to meet your application requirements today and tomorrow. Both TERA-to-TERA and TERA-to-modular plug cord options are available. 1- and 2-pair plug modularity allows multiple applica-tions to be served from a single 4-pair out-let.
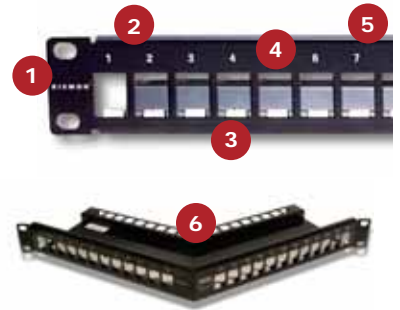

1 **Fully Shielded** — S/FTP cable construction provides 1000 MHz bandwidth per pair

2 **Patented Shield Design** — Quadrant plug design isolates pairs, virtually eliminating crosstalk

3 **Standards Compliant Interface** — Recognized within ISO/IEC 11801 Ed. 2.0

4 **Plug Identification** — Plug-port identification available via colored boots

5 **4-Pair TERA** - to - category 6A shielded Z-MAX™ or BladePatch® modular plug for 1G/10G Ethernet performance

6 **2-Pair TERA** - to - shielded category 5e compatible MC modular plug for 10/100 Ethernet support

7 **1-Pair TERA - to - TERA** for analog voice and video patching Video balun cord also available

8 **1-Pair UTP TERA - to - RJ11** for analog voice

TERA-MAX® PATCH PANELS

TERA-MAX 19 inch screened patch panels provide unprecedented performance and reliability in a shielded, high-density modular solution. As outlets are snapped into place, resilient ground tabs and ground lugs assure that each outlet and cable is properly grounded for maximum protection against outside interference. Built-in cable management and strain relief features are integrated onto the rear of the panel.

1 **Standard Fit** — Panels can be mounted directly on standard 19 inch relay rack or cabinet

2 **Durable** — Lightweight, high strength steel with black or metallic finish

3 **High Density** — 24 10Gb/s ports in just 1 RMS

4 **Installation Friendly** — Individual modules snap into place from front or rear of panel, providing integrated grounding without additional steps

5 **Port Identification** — Bold port numbering enables quick identification of outlets

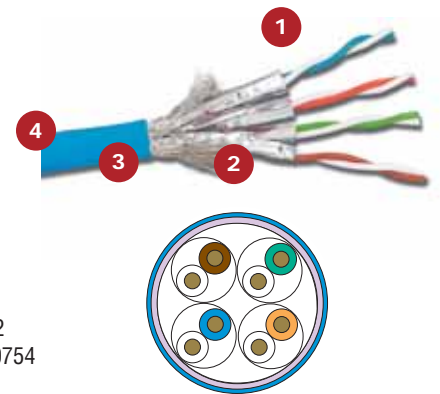**6** **Flexible Options** — Flat and Angled versions available

TERA S/FTP CABLE

Siemon's TERA cable perfectly complements the performance of our TERA outlets. TERA cable varieties exceed all ISO/IEC requirements for category 7A/class FA transmission performance. The use of Siemon cable is required for a complete end-to-end warranted TERA system.

1 **Aluminum-Polyester Foil** — Individually shielded pairs ensure virtually zero alien crosstalk

2 **Braid Screen** — Overall tinned-copper braid futher protects against alien crosstalk

3 **Cable Diameter** — 8.4mm (0.33 in.) cable diameter provides 10Gb/s performance and beyond in a manageable cable size

4 **Standards Compliant** — ISO/IEC 11801:2002 category 7/class F, LS0H: IEC 60332-1, IEC 60754 and IEC 61034, IEC 61156-5:2002

MAX FACEPLATES

Siemon's popular MAX faceplates are designed to provide support to any combination of TERA outlets.

1 **Density Options** — Single and double gang faceplates available

2 **Label Covers** — Faceplates include pressure-release designation label covers for quick, tool-less removal
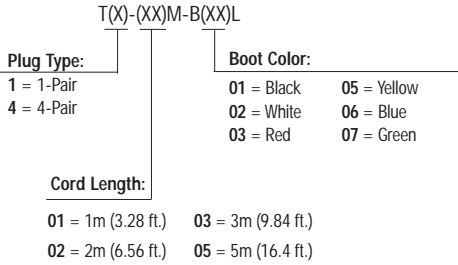
3 **Labels** — Sheets of designation labels can be ordered to use with printers

4 **Durability** — UV resistant, high impact plastic prevents color fading and provides added durability
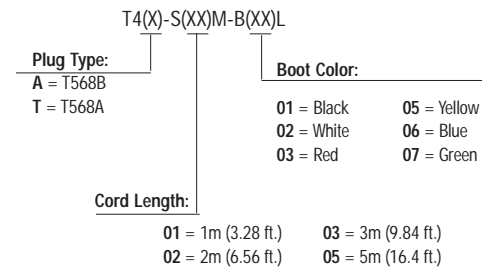
Ordering Information

TERA CATEGORY 7$_A$ PATCH CORDS

Category 7$_A$ compatible, TERA-to-TERA, LS0H cable assembly, ivory jacket, colored boot.

T(X)-(XX)M-B(XX)L

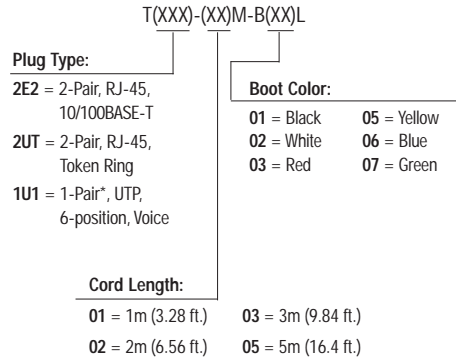**Plug Type:**
1 = 1-Pair
4 = 4-Pair

Boot Color:
01 = Black   05 = Yellow
02 = White   06 = Blue
03 = Red   07 = Green

Cord Length:
01 = 1m (3.28 ft.)   03 = 3m (9.84 ft.)
02 = 2m (6.56 ft.)   05 = 5m (16.4 ft.)

TERA CATEGORY 6A PATCH CORDS

Augmented Category 6A, TERA-to-Screened RJ-45 modular plug, LS0H cable assembly, ivory jacket, colored boot.

T4(X)-S(XX)M-B(XX)L

Plug Type:
A = T568B
T = T568A

Boot Color:
01 = Black   05 = Yellow
02 = White   06 = Blue
03 = Red   07 = Green

Cord Length:
01 = 1m (3.28 ft.)   03 = 3m (9.84 ft.)
02 = 2m (6.56 ft.)   05 = 5m (16.4 ft.)

Ⓑ Add "B" for bulk project pack of 100 modular cords.

TERA CATEGORY 5e COMPATIBLE PATCH CORDS

TERA-to-Shielded RJ-45, or TERA-to- 6 position (Voice) modular plug, LS0H cable assembly, ivory jacket, colored boot.

T(XXX)-(XX)M-B(XX)L

Plug Type:
2E2 = 2-Pair, RJ-45, 10/100BASE-T
2UT = 2-Pair, RJ-45, Token Ring
1U1 = 1-Pair*, UTP, 6-position, Voice

Boot Color:
01 = Black   05 = Yellow
02 = White   06 = Blue
03 = Red   07 = Green

Cord Length:
01 = 1m (3.28 ft.)   03 = 3m (9.84 ft.)
02 = 2m (6.56 ft.)   05 = 5m (16.4 ft.)

TERA-MAX® PATCH PANELS

TERA-MAX 19 inch patch panels provide performance and reliability in a shielded, high-density modular solution. Any combination of TERA outlets can be configured in TERA-MAX panels. Panels include mounting hardware.

TM-PNL-24 . . . . 24-port panel, metallic, 1 RMS
TM-PNL-24-01 . . . . 24-port panel, black, 1 RMS
TM-PNLA-24 . . . . 24-port angled panel, metallic, 1 RMS
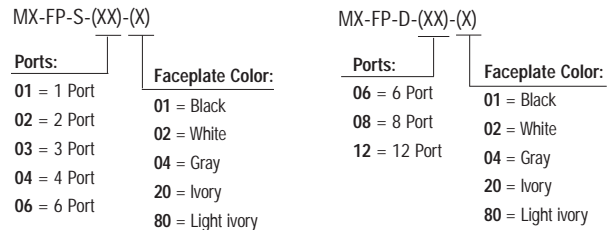**TM-PNLA-24-01** . . . . 24-port angled panel, black, 1 RMS

TERA 1000 MHz 4-PAIR SOLID CABLE

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

9T7P4-E10-06-R1 . . . . Plenum (CMP, CSA FT6), blue jacket, 1000 ft. reel
9T7R4-E10-06-R1 . . . . PVC (CMR, CSA FT4), blue jacket, 1000 ft. reel

MAX MODULAR FACEPLATES

Faceplates include designation labels, clear label covers, and mounting screws.

MX-FP-S-(XX)-(X)

Ports:
01 = 1 Port
02 = 2 Port
03 = 3 Port
04 = 4 Port
06 = 6 Port

Faceplate Color:
01 = Black
02 = White
04 = Gray
20 = Ivory
80 = Light ivory

MX-FP-D-(XX)-(X)

Ports:
06 = 6 Port
08 = 8 Port
12 = 12 Port

Faceplate Color:
01 = Black
02 = White
04 = Gray
20 = Ivory
80 = Light ivory

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