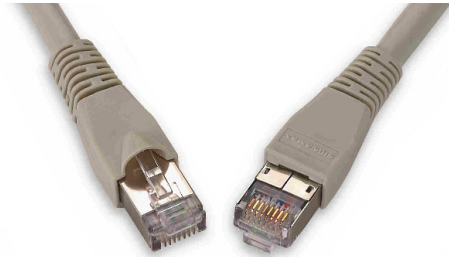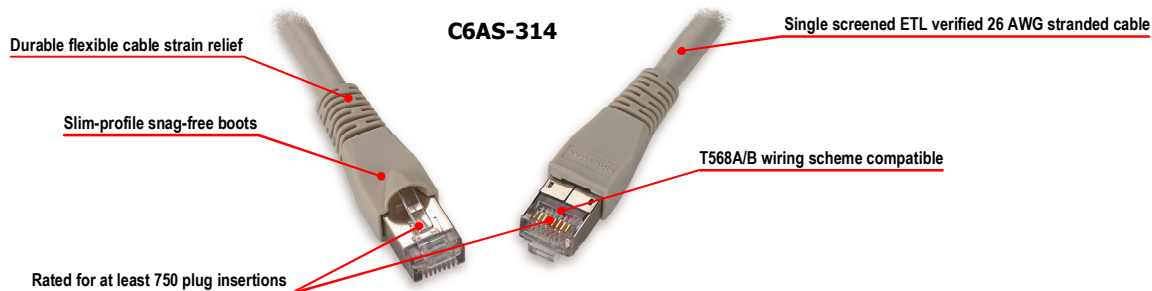# Category 6A Screened Patch Cords

Signamax Connectivity Systems category 6A screened patch cords are designed to meet 10 Gigabit IEEE 802.3an rev. 1.0 transmission requirements, and are guaranteed to meet TIA-568-B.2-10 channel performance. 100% transmission tested and support category 6A 100-meter channel performance. Assembled in a controlled environment using advanced manufacturing techniques to insure consistent quality these patch cords provide reliable performance when mated with our category 6A connecting hardware and deliver supreme performance for network cabling systems.

Signamax category 6A screened patch cords incorporate slim-profile snag-free boots, which protect the plug latch, and a flexible, but durable cable strain relief and are compatible with both T568A and T568B cabling systems. Patch cords are manufactured using ETL verified 26 AWG stranded cable designed for greater flexibility and service life.

KEY FEATURES

- Designed to meet 10G IEEE 802.3an transmission requirements

- Guaranteed to meet TIA-568-B.2-10 channel performance

- ETL verified 26 AWG stranded cable

- 100% factory transmission tested per TIA-568-B.2-10 specifications

- Contact design provides enhanced plug to jack connection integrity

- Support category 6A 100-meter channel performance

- T568A/B wiring scheme compatible

- Screening provides 100 % protection against ANEXT

- Rated for at least 750 plug insertions providing for the highest level of system reliability

- Slim-profile snag-free boots with durable flexible cable strain relief, maximum strength and durability construction

C6AS-314

Durable flexible cable strain relief

Slim-profile snag-free boots

Rated for at least 750 plug insertions

Single screened ETL verified 26 AWG stranded cable

T568A/B wiring scheme compatible

ORDERING INFORMATION

Category 6A Screened Patch Cords

Part Number	Description
C6AS-314-LLFB	Category 6A 10G Screened Patch Cord, [*length*] ft.

Standard color is gray

For standard length substitute LL in P/N:
3 – 3 ft (1 m), 5 – 5 ft (1.5 m), 7 – 7 ft (2 m), 10 – 10 ft (3 m), 14 – 14 ft (4.3 m), 25 – 25 ft (7.5 m). Other lengths are available.

PSS.C6ASL-FTP-PC A-OCT-08

Category 6A Screened Patch Cords

SPECIFICATIONS

- **TRANSMISSION PERFORMANCE**
  ANSI/TIA-568-B.2-10:   Meets category 6A (1 – 500 MHz) channel specifications

- **TRANSMISSION MEDIA**
  4-pair stranded screened twisted pair (ScTP/FTP)

- **WIRING SCHEME**
  ANSI/TIA/EIA-568-B.2:   T568A & T568B
  ISO/IEC 11801 2nd Ed.:   8-position conductor/pair assignment (1-2/3-6/4-5/7-8)

- **CORDAGE**
  Jacket dimension: diameter <6.35 mm (0.25 in)
  Construction: 4 pairs, 7 strands 26 AWG, ScTP/FTP,
  high density polyethylene insulation,
  fire retardant PVC compound jacket

FTP
- Outer Jacket
- Twisted Pair
- Insulation
- Stranded Conductor
- Foil Screen

- **PLUG**
  Assembly: FCC Part 68 Subpart F
  Housing: UL listed 94V-0 flame retardant polycarbonate
  IDC blades: phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area
  Screen: brass alloy plated with 100 µin of nickel

- **MECHANICAL**
  Retention: 50 N (11 lbf) for 60±5 s
  Mating cycle life: min 750 cycles
  Tensile strength: ≥ 20 N per wire

- **ENVIRONMENTAL CONDITIONS**
  Storage: -40°C – +70°C (-40°F – +158°F)
  Operation: -10°C – +60°C (+14°F – +140°F)
  RH (operation):   max non-condensing 93%

T568A/T568B

- **ELECTRICAL**
  Insulation resistance: min 500 MOhm @ 100 V_{dc}
  Dielectric withstanding voltage: 1,000 $V_{dc/ac}$ peak contact to contact @ 60 Hz for 1 min
  1,500 $V_{dc/ac}$ peak contact to panel @ 60 Hz for 1 min
  Contact resistance: max 20 Mohm
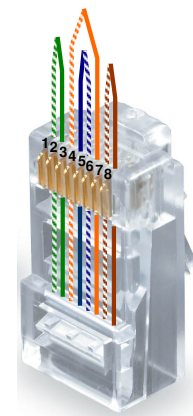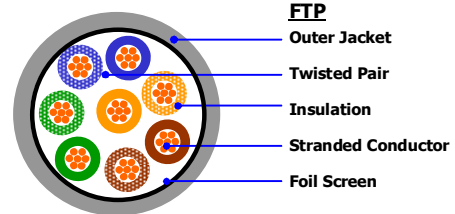 Current rating: see figure

- **COMPLIANCE**
  ANSI/TIA/EIA-568-B.2-10, IEEE 802.3 ab, FCC Part 68 Subpart F, UL94V-0
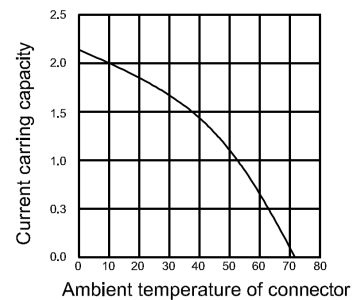
- **APPLICATIONS**
  X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T2, 1000BASE-T, 10GBASE-T, TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

- **WARRANTY**
  5-year limited component warranty
  10-year Signamax Link/Channel Warranty
  15-year Signamax Extended Component Warranty
  25-year Signamax Cabling System Warranty

Current carring capacity vs Ambient temperature of connector

RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Category 6A SL Unscreened Patch Panel	PSS.C6ASL-UTP-PP (A-OCT-08)
Category 6A SL Screened Patch Panel	PSS.C6ASL-FTP-PP (A-OCT-08)
Category 6A SL Unscreened Keystone Jacks	PSS.C6ASL-UTP-KJ (A-OCT-08)
Category 6A SL Screened Keystone Jacks	PSS.C6ASL-FTP-KJ (A-OCT-08)
Category 6A SL Unscreened Patch Cords	PSS.C6ASL-UTP-PC (A-OCT-08)

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SPECIFICATIONS