

Product Specifications

Category 6A Screened Patch Cords

KEY FEATURES

- Meets ANSI/TIA-568-C.2 transmission performance specifications
- Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements
- 100% factory transmission tested per ANSI/TIA-568-C.2 to ensure category 6A component level performance
- 100% protection against ANEXT
- ETL verified screened 26 AWG stranded cable
- Rated for 750 plug insertions for high level system reliability
- Enhanced plug-to-jack connection integrity
- Seven standard lengths & six jacket colors
- Slim-profile & snag-free boot designed for the highest density applications



The Signamax Category 6A Screened Patch Cords have been designed to meet the need for today's high-bandwidth applications. These patch cords incorporate a slim profile snag-free boot design which protects the plug latch and offers greater flexibility. The cords are 100% transmission tested and support category 6A component level performance.

Manufactured using ETL verified 26-AWG stranded cable design to support a greater service life. Assembled in a controlled environment to ensure consistent quality, these patch cords provide reliable performance when mated with any category 6A connecting hardware and deliver supreme performance for network cabling systems.

ORDERING INFORMATION

PART NO.	DESCRIPTION	LENGTH
C6AS-314CC-3FB	Category 6A Screened Patch Cord with Snag-Proof Boots	3 ft
C6AS-314CC-5FB	Category 6A Screened Patch Cord with Snag-Proof Boots	5 ft
C6AS-314CC-7FB	Category 6A Screened Patch Cord with Snag-Proof Boots	7 ft
C6AS-314CC-10FB	Category 6A Screened Patch Cord with Snag-Proof Boots	10 ft
C6AS-314CC-15FB	Category 6A Screened Patch Cord with Snag-Proof Boots	15 ft
C6AS-314CC-20FB	Category 6A Screened Patch Cord with Snag-Proof Boots	20 ft
C6AS-314CC-25FB	Category 6A Screened Patch Cord with Snag-Proof Boots	25 ft

Specify cable jacket color by substituting CC in P/N for the following: -WH -YE -RD -BU -GY -BK

P/N Example: C6AS-314BU-3FB - Category 6A Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft

SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA-568-C.2: meets or exceeds category 6A (1-500 MHz) specifications

TRANSMISSION MEDIA

4-pair stranded screened twisted pair (ScTP/FTP)

WIRING SCHEME

ANSI/TIA/EIA-568-C.2: T568A & T568B

ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)

CONSTRUCTION

Assembly: 4 pairs, 7 strands 26 AWG, ScTP/FTP

Insulation: High density polyethylene

Jacket

Dimensions: Diameter < 0.25 in (6.35 mm)

Material: Flame retardant PVC compound

Plug 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 lin of nickel

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Tensile Strength: ≥ 20 N per wire

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 V_{dc}

Dielectric Withstanding Voltage:

1,000 V_{dclac} peak contact-to-contact @ 60 Hz for 1 min

1,500 V_{dclac} peak contact-to-panel @ 60 Hz for 1 min

Contact Resistance: Max 20 mOhm

Current Rating: See Figure 1

ENVIRONMENTAL CONDITIONS

Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)

Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)

Operating RH: 93% Max (non-condensing)

COMPLIANCE

ANSI/TIA/EIA-568-C.2, ISO/IEC 11801 2nd Ed., FCC Part 68, UL 1863, 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

Figure 1: Current Rating

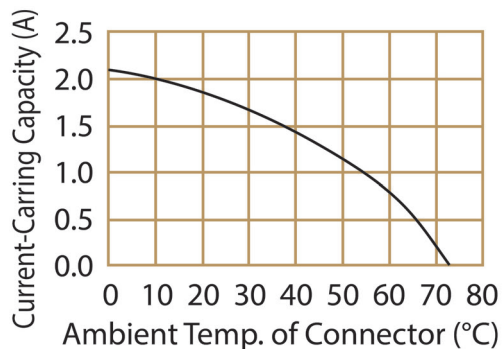


Figure 2: Cable Structure

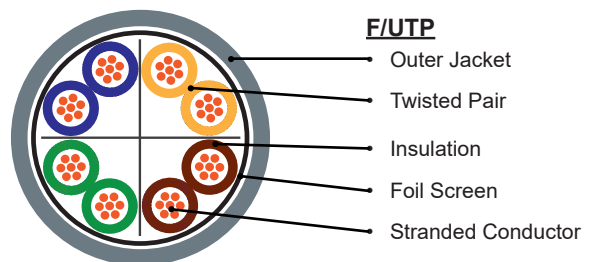
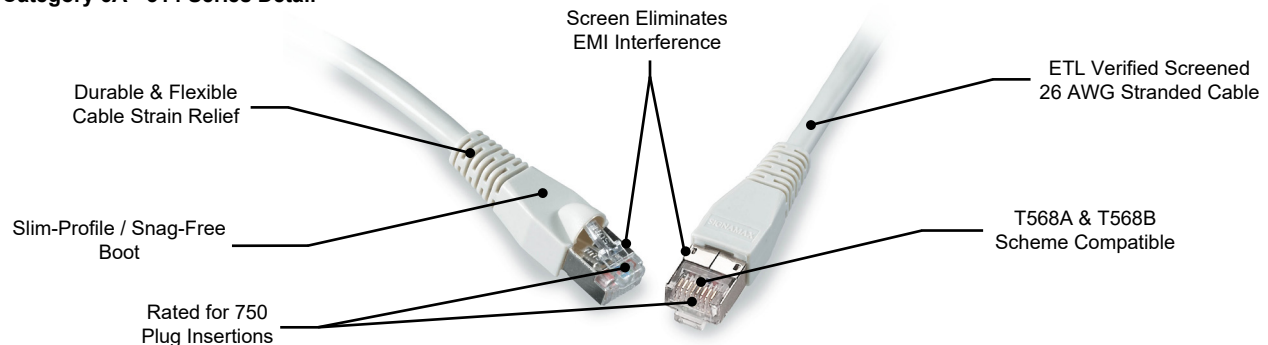


Figure 3: Category 6A - 314 Series Detail



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