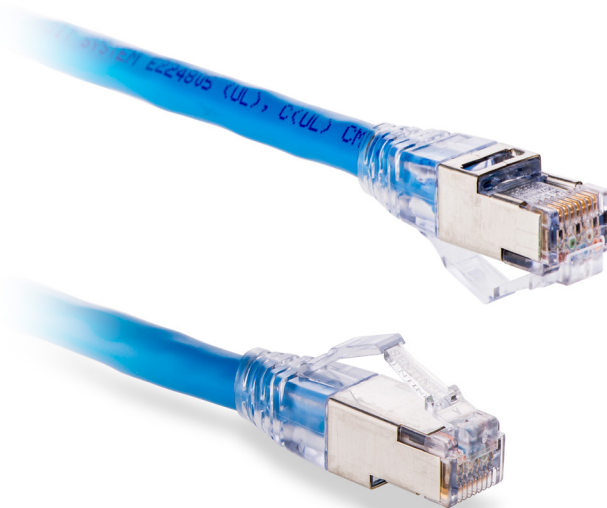


Category 6A Screened Patch Cords - 314 Series Special Order

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
- Nine standard jacket colors & Eleven standard lengths
- 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.

CATEGORY 6A SCREENED PATCH CORDS

PART NUMBER	DESCRIPTION	LENGTH
C6AS-314CC-6IN-S	Category 6A Screened Patch Cord with Snag-Free Boots	6 In
C6AS-314CC-1FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	1 ft
C6AS-314CC-3FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	3 ft
C6AS-314CC-5FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	5 ft
C6AS-314CC-7FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	7 ft
C6AS-314CC-10FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	10 ft
C6AS-314CC-14FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	14 ft
C6AS-314CC-25FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	25 ft
C6AS-314CC-35FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	35ft
C6AS-314CC-50FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	50 ft
C6AS-314CC-100FB-S	Category 6A Screened Patch Cord with Snag-Free Boots	100 ft

Specify cable jacket color by substituting CC in P/N for the following:



P/N Example: C6AS-314BU-3FB-S - Category 6A Screened Patch Cord with Snag-Free 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 individually screened twisted pairs under overall sheath (U/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 Vdc
Dielectric Withstanding Voltage	: 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min 1,500 Vdc/ac 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

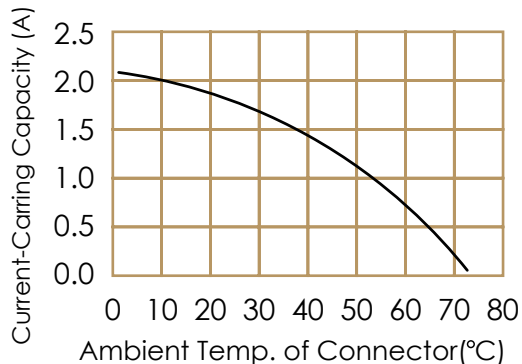


Figure 2 : Cable Structure

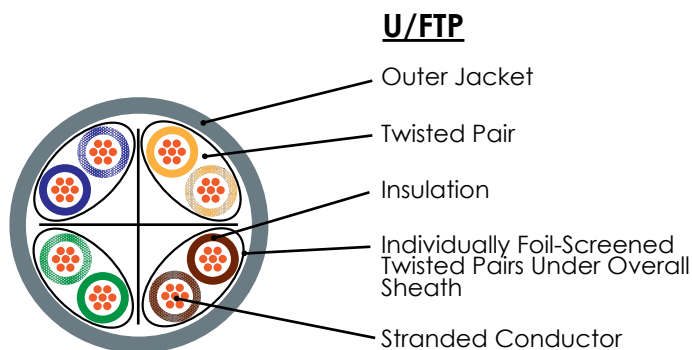


Figure 3: Category 6A - 314 Series Detail

