

Specifications

Category 6A Unscreened 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
- ETL verified unscreened 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 Unscreened 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 protect 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 |
|----------------|---|--------|
| C6A-114CC-3FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 3 ft |
| C6A-114CC-5FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 5 ft |
| C6A-114CC-7FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 7 ft |
| C6A-114CC-10FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 10 ft |
| C6A-114CC-15FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 15 ft |
| C6A-114CC-20FB | Category 6A Unscreened Patch Cord with Snag-Proof Boots | 20 ft |
| C6A-114CC-25FB | Category 6A Unscreened 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: C6A-114BU-3FB - Category 6A Unscreened 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 unscreened twisted pair (UTP)

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, UTP

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

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: 5000 MΩ @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/minute contact-to-contact @ 60 Hz for 1 min

Contact Resistance: ≤ 20 mΩ

Current Rating: See Figure 1

ENVIRONMENTAL CONDITIONS

Operating Temperature: -4 °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

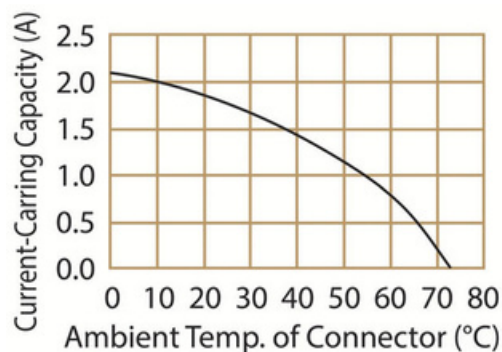


Figure 2: Cable Structure

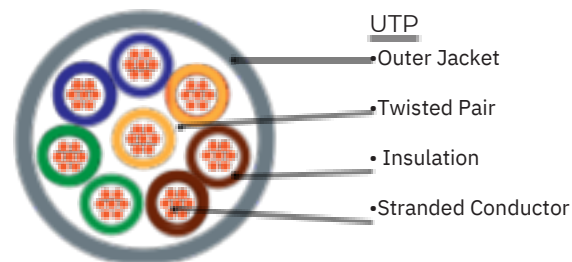


Figure 3: Category 6A -114 Series Detail

