

## Category 6A Unscreened Patch Cords - 114 Series

### 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
- Five standard jacket colors & Eight standard lengths
- 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.

### CATEGORY 6A UNSCREENED PATCH CORDS - 114 SERIES

| PART NUMBER       | DESCRIPTION                                            | LENGTH |
|-------------------|--------------------------------------------------------|--------|
| C6A-114CC-6IN     | Category 6A Unscreened Patch Cord with Snag-Free Boots | 6 In   |
| C6A-114CC-1FB     | Category 6A Unscreened Patch Cord with Snag-Free Boots | 1 ft   |
| C6A-114CC-3FB     | Category 6A Unscreened Patch Cord with Snag-Free Boots | 3 ft   |
| C6A-114CC-5FB     | Category 6A Unscreened Patch Cord with Snag-Free Boots | 5 ft   |
| C6A-114CC-7FB     | Category 6A Unscreened Patch Cord with Snag-Free Boots | 7 ft   |
| C6A-114CC-10FB    | Category 6A Unscreened Patch Cord with Snag-Free Boots | 10 ft  |
| C6A-114CC-14FB    | Category 6A Unscreened Patch Cord with Snag-Free Boots | 14 ft  |
| C6A-114CC-25FB    | Category 6A Unscreened Patch Cord with Snag-Free Boots | 25 ft  |
| C6A-114CC-35FB-S  | Category 6A Unscreened Patch Cord with Snag-Free Boots | 35 ft  |
| C6A-114CC-50FB-S  | Category 6A Unscreened Patch Cord with Snag-Free Boots | 50 ft  |
| C6A-114CC-100FB-S | Category 6A Unscreened Patch Cord with Snag-Free Boots | 100 ft |

Specify cable jacket color by substituting CC in P/N for the following: WH YE BU GY BK  
P/N Example: C6A-114BU-3FB - Category 6A Unscreened Patch Cord with Snag-Free Boots, Blue, 3 ft

Special Order Colors: OR RD GN PU

Special Order lengths: 35ft, 50ft, and 100ft

Additional lengths not listed are custom, designated by -C

## 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:** Min 500 MOhm @ 100 Vdc  
**Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 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

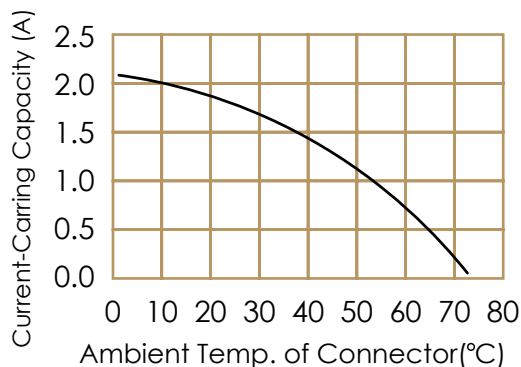


Figure 2 : Cable Structure

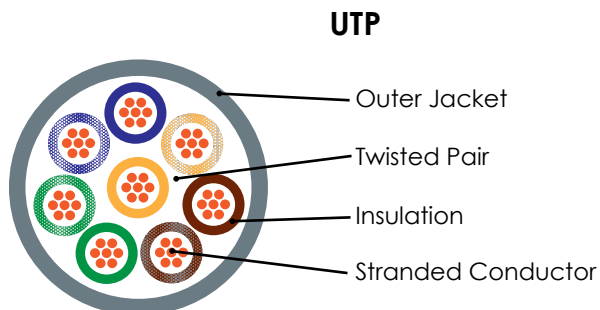


Figure 3 : Category 6A -114 Series Detail

