

# Product Specifications

## Category 5e Channel-Level Unscreened Patch Cords

### KEY FEATURES

- Supports ANSI/TIA-568-C.2 transmission performance specifications
- 100% factory transmission tested per ANSI/TIA-568-C.2 to ensure category 5e 100-meter channel performance
- ETL verified unscreened 24 AWG stranded cable
- Rated for 750 plug insertions for high level system reliability
- Enhanced plug-to-jack connection integrity
- Nine standard lengths & eight jacket colors



The Signamax Category 5e Channel-Level Unscreened Patch Cords have been designed to meet the need for today's less demanding applications. The 114-series 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 5e 100-meter channel performance.

Manufactured using ETL verified 24-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 our category 5e connecting hardware and deliver supreme performance for network cabling systems.

### ORDERING INFORMATION

PART NO.	DESCRIPTION
C5E-114 <b>CC</b> -LFB	Category 5e Channel-Level Unscreened Patch Cord with Snag-Proof Boots
C5E-121 <b>CC</b> -LFB	Category 5e Channel-Level Unscreened Patch Cord without Snag-Proof Boots

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

Specify cable length by substituting **L** in P/N for the following:

1: 1 ft    3: 3 ft    5: 5 ft    7: 7 ft    10: 10 ft    14: 14 ft    25: 25 ft    50: 50 ft    100: 100 ft

P/N Example: C5E-114**BU**-3FB - Cat. 5e Channel-Level Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft

Figure 1: Category 5e -114 Series Detail

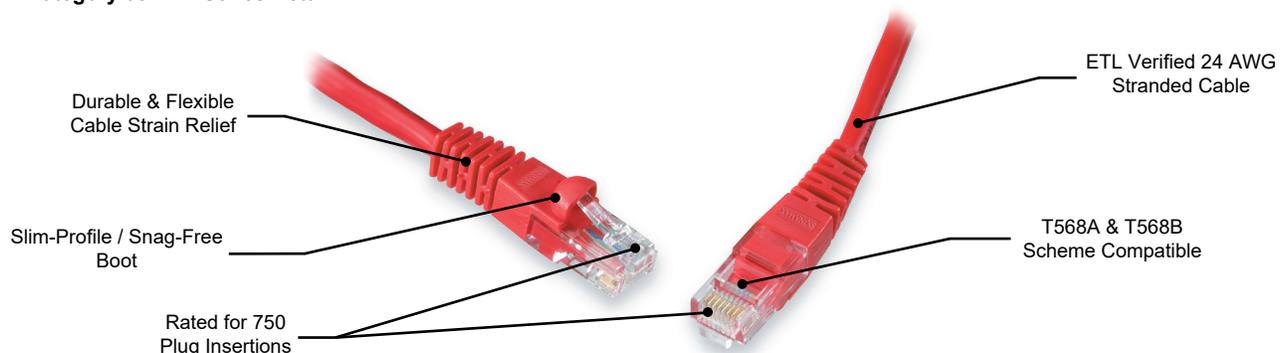
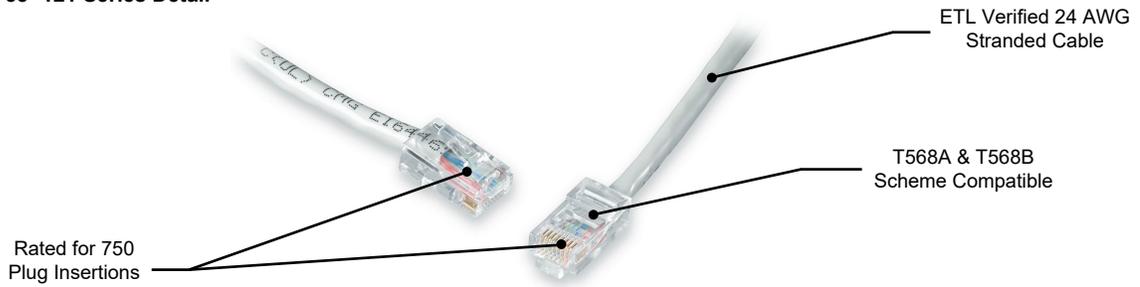


Figure 2: Category 5e -121 Series Detail



## SPECIFICATIONS

### TRANSMISSION PERFORMANCE

ANSI/TIA/EIA-568-C.2: meets or exceeds category 5e (1-100 MHz) specifications

### TRANSMISSION MEDIA

4-pair stranded unshielded twisted pair (UTP)

### WIRING SCHEME

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

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

### CONSTRUCTION

**Assembly:** 4 pairs, 7 strands 24 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 V<sub>dc</sub>

**Dielectric Withstanding Voltage:**

1,000 V<sub>dc/ac</sub> peak contact-to-contact @ 60 Hz for 1 min

**Contact Resistance:** Max 20 mOhm

**Current Rating:** See Figure 3

### 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, TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

### WARRANTY

5 - Year Limited Component

Figure 3: Current Rating

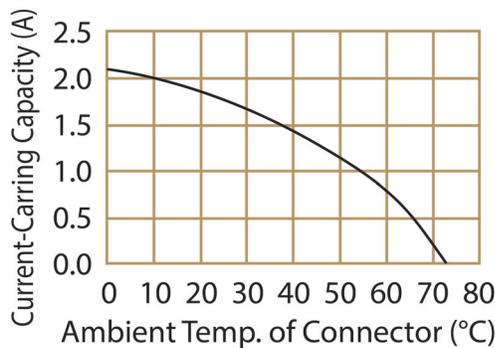


Figure 4: Cable Structure

