

Product Specifications

Category 6 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 6 100-meter channel performance
- ETL verified unscreened 26 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
- Slim-profile & snag-free boot designed for the highest density applications



The Signamax Category 6 Channel-Level Unscreened Patch Cords have been designed to meet the need for today's mid-level demand 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 6 100-meter channel 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 our category 6 connecting hardware and deliver supreme performance for network cabling systems.

ORDERING INFORMATION

PART NO.	DESCRIPTION	LENGTH
C6-115CC-1FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	1 ft
C6-115CC-3FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	3 ft
C6-115CC-5FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	5 ft
C6-115CC-7FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	7 ft
C6-115CC-10FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	10 ft
C6-115CC-14FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	14 ft
C6-115CC-25FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	25 ft
C6-115CC-50FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	50 ft
C6-115CC-100FB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots	100 ft

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

P/N Example: C6-115BU-3FB - Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft

SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA/EIA-568-C.2: meets or exceeds category 6 (1-250 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 conductor/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

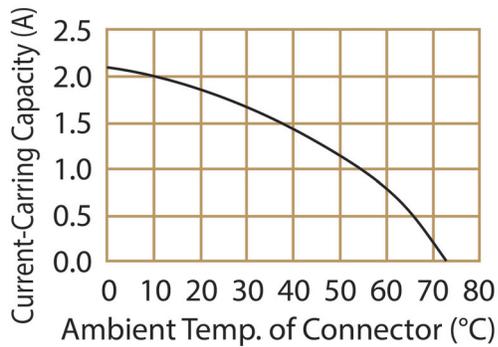
MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Tensile Strength: ≥ 20 N per wire

Figure 1: Current Rating



ELECTRICAL

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

Dielectric Withstanding Voltage:

1,000 V_{d/e/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, TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

WARRANTY

5 - Year Limited Component

Figure 2: Cable Structure

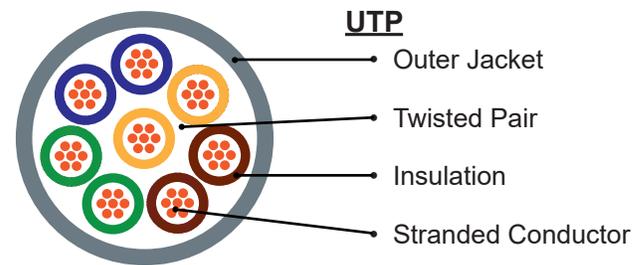
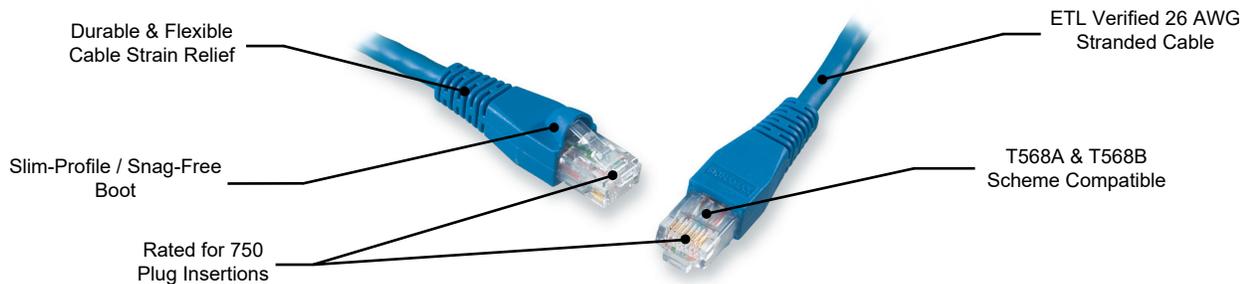


Figure 3: Category 6 -115 Series Detail



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