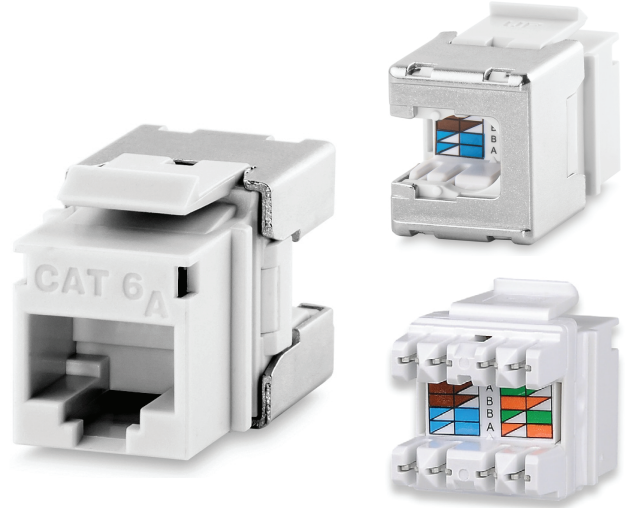


Category 6A MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance specifications
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Eliminates alien crosstalk with solid-metal cable-retention cap
- Slim profile for the highest density applications
- Improved wire retention and ease of termination with rear 110 type contacts
- Easy-to-read T568A/B wiring scheme color-coded label
- Circuit identification icons, dust covers, and 110 protection caps included in kit



The Signamax Category 6A Unscreened MT-Series Keystone Jacks have been designed to meet the need for today's highbandwidth applications. These connectors are slim in profile for the highest density applications and have the ability to mount either color-coded icons for service identification or dust covers to protect unused jacks from dust and other contaminants.

Special design features allow these jacks to be terminated with a standard 110 single-position tool or with the Signamax four pair tool. The contact design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs, and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability.

Category 6A MT-Series Unscreened Keystone Jacks

PART NUMBER	DESCRIPTION
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KJ458MT-C6AC Category 6A MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

For other colors add the following to P/N:



SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA-568-C.2: meets or exceeds category 6A (1-500 MHz) component specifications

TRANSMISSION MEDIA

Unscreened twisted pair (U/UTP)

JACK TYPE

8p8c (8-position, 8-contact) "RJ45" style

WIRING SCHEME (See Figure 1)

ANSI/TIA-568-C.2: T568A & T568B
ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)

WIRE GAUGE

22 to 24 AWG (0.644 to 0.511 mm)

ELECTRICAL

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

Dielectric Withstanding Voltage:

1,000 V_{ac}/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

Current Rating: See Figure 2

FOOTPRINT

Standard keystone footprint

CONSTRUCTION

Housing: High impact thermoplastic, UL94V-0 fire retardant

Jack Spring Wire: Phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads

Retention: 50 N (11 lbf) for 60±5 s

Mating Cycle Life: Min 750 cycles

MOUNTING DIMENSIONS:

1.213" D x 0.665" W x 0.76" H (30.8 mm x 16.9 mm x 19.3 mm)

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-568-C.2, IEEE 802.3 ab, FCC Part 68 Subpart F, UL 94V-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: Wiring Schemes



Figure 2: Current Rating

