Combining the unparalleled performance of an exclusive PCB-based smart plug, alien crosstalk resistant construction and a host of innovative end-user features, Z-MAX 6A UTP modular cords set the bar for Category 6A UTP patching. Modular cords are often overlooked key components to ensure optimum channel performance. Siemon’s Z-MAX category 6A UTP cords are 100% factory tested and feature a variety of product enhancements that contribute to the cord’s superior electrical and mechanical performance. These cords guarantee reliable long-term category 6A application assurance throughout the life of the warranty. The cable used to manufacture these cords exceeds the specifications set forth by both ANSI/TIA-568.2-D and ISO/IEC 11801-1 Ed 1.0.

**High Performance Cable**
Z-MAX 6A UTP cords feature a shield barrier construction for excellent alien crosstalk performance and heat dissipation.

**STANDARDS COMPLIANCE**
- TIA-568.2-D
- TIA-968-B
- TIA-1096-A
- ISO/IEC 11801-1
- IEC 60603-7
- CM: cUL US Listed
- LS0H: IEC 60332-3-22, IEC 60332-1, 60754, 61034

**APPLICATIONS SUPPORT**
- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T
- HDBASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bl (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power Over HDBaseT (PoH)

**Jacket**
Stranded cords meet flame resistance requirements for both CM and LS0H. Solid cords meet LS0H as specified by part number.

**Low Profile Boot Design**
Optimizes side-stackability of modular cords and allows use in even the most dense equipment.

**Cantilevered Latch Guard**
Allows latch activation from further back on the boot for superior accessibility in high density environments.

**Superior Performance Consistency**
Precision PCB-based conductor terminations eliminate the performance variability of traditional crimp-style terminations. Rear contacts maintain cable twist to point of termination and provide robust strain relief.

**Integrated PCB**
PCB equipped Smart Plugs optimize signal tuning for exceptional transmission. Solderless, press-fit contact design ensues long-term reliability.

Cords are 100% transmission tested to ensure compliance with applicable standards requirements.

Removable clips allow field color coding even when cords are connected.

Solid single and double ended assemblies are available for consolidation point and equipment cord applications.
Product Information

PERFORMANCE SPECIFICATIONS*

**ELECTRICAL**
- **Contact Resistance**: 10 mΩ
- **Input to Output Resistance**: 200 mΩ
- **Min. Dielectric Withstand Voltage (contact to contact)**: 1000 V DC or AC peak
- **Insulation Resistance**: 500 mΩ
- **Compatibility**: Category 6A, 6 and 5e
- **Current Rating @ 25° C**: 1.5 A
- **Power over Ethernet**: PoE (Type 1,2,3,4) PoH

**MECHANICAL - GENERAL**
- **Operating Temperature**: -20 to 75° C, (-4 to 167° F)
- **Flammability Rating**: UL 94 V-0
- **Green Features**: RoHS, lead-free, halogen-free, PVC free
- **Plug Housing Materials**: Polycarbonate
- **Contact Materials**: 50 microinches gold plating or equivalent
- **Plastic Materials**: Flame retardant thermoplastic
- **Marking**: P/N, length, performance level

**MECHANICAL - CABLE (STRANDED)**
- **Wire Size Range (Nominal)**: 26 AWG 7x32 Stranded bare copper
- **Cable OD (Nominal)**: 6.3mm (0.25 in.)
- **Wiring**: T568A/B
- **Jacket type**: CM/LS0H
- **Bend Radius**: 25mm (1.0 in.)

**MECHANICAL - CABLE (SOLID)**
- **Wire Size Range (Nominal)**: 23 AWG Solid bare copper
- **Cable Construction**: UTP
- **Cable OD (Nominal)**: 7.7mm (0.31 in.)
- **Wiring**: T568A/B
- **Jacket type**: LS0H
- **Bend Radius**: 30mm (1.18 in.)

**Ordering Information**

**ZM6A-(XX)M-(XX)**
- **Length**: 01 = 1m (3.3 ft.), 1.5 = 1.5m (5 ft.), 02 = 2m (6.6 ft.), 03 = 3m (9.8 ft.), 04 = 4m (13.1 ft.), 05 = 5m (16.5 ft.), 7.5 = 7.5m (24.6 ft.)
- **Jacket Colour**: 01 = Black, 02 = White, 03 = Red, 04 = Grey, 05 = Yellow

**ZC6A-(XX)M(X)-L(X)**
- **Length**: 03 = 3m (10 ft.), 05 = 5m (16.4 ft.), 10 = 10m (33 ft.), 15 = 15m (49 ft.), 20 = 20m (65.6 ft.), 01 = 1m (3.3 ft.), 02 = 2m (6.6 ft.), 03 = 3m (9.8 ft.), 04 = 4m (13.1 ft.), 05 = 5m (16.5 ft.), 7.5 = 7.5m (24.6 ft.)
- **Plugs**: (Blank) = Single-Ended, D = Double-ended (T568A/B)
- **Wiring**: A = T568B, T = T568A

**CLIP-(XX)**
- **Clip Colour**: 01 = Black, 02 = White, 03 = Red, 04 = Grey, 05 = Yellow, 06 = Blue, 07 = Green

Add “B” to end of part number for bulk project pack of 100 cords.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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