

# Z-MAX<sup>®</sup> 6A UTP Modular Cords

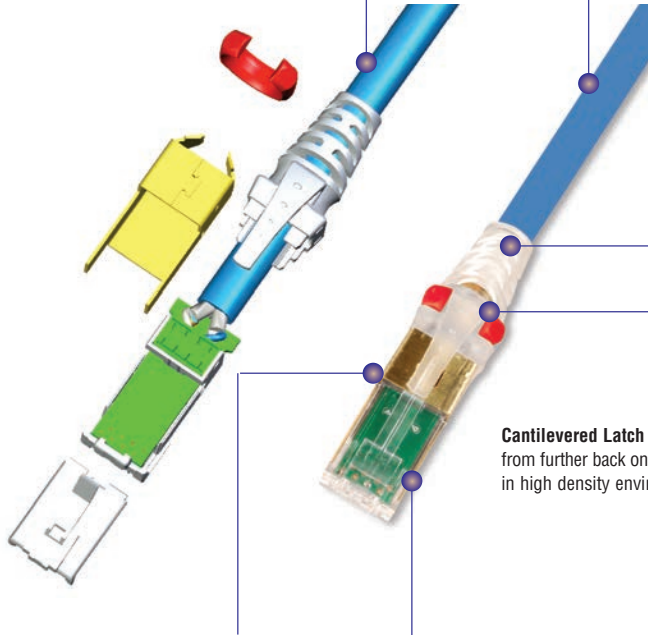
Combining the unparalleled performance of an exclusive PCB-based smart plug, alien crosstalk resistant construction and a host of innovative end-user features, Z-MAX 6A UTP modular cord sets the bar for Category 6A UTP patching.

PATCH CORDS, PLUGS & CABLE - INTERNATIONAL



**High Performance Cable** — Z-MAX 6A UTP cords feature dual jacket construction for excellent alien crosstalk performance

**Solid Cord Option** — Solid UTP cords are available for consolidation point and equipment cord applications



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

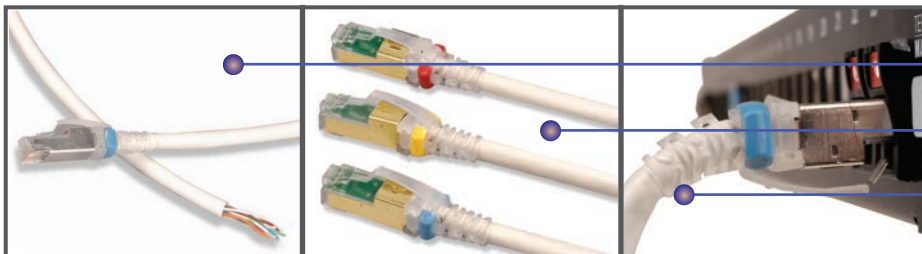
**Cantilevered Latch Guard** — Allows latch activation from further back on the boot for superior accessibility in high density environments

**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 ensures long-term reliability

## STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801 Ed 2.2
- IEEE 802.3an (10Gbase-T)
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- IEC 60603-7
- IEC 60603-7-4
- UL Listed 1863
- IEC 60332-1 (LSOH)
- IEC 60754 (LSOH)
- IEC 61034 (LSOH)
- ANSI/TIA-1096-A



Solid UTP assemblies are available for consolidation point and equipment cord applications.

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

Boot ensures proper bend relief, critical for Category 6A performance.

# 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	Backwards to Cat 5e and Cat 6
Current Rating @ 25° C	1.5 A
Power over Ethernet	Suitable for PoE and PoE+
Power over Ethernet	< 10 mΩ/m @ 10 MHz
MECHANICAL — GENERAL	
Operating Temperature	-10 to 60° C, (14 to 140° 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 themoplastic
Screen	360 degree enclosure
Marking	P/N, length, performance level, QC

MECHANICAL — PLUG	
Number of Plug Insertion Cycles	2500
Min. Plug Retention Force	50N (11.2 lbf)
Plug Compatibility	Compatible with RJ45
Cable to Plug Tensile Strength (min.)	20 lbs.
MECHANICAL — CABLE (STRANDED)	
Wire Size Range (Nominal)	26 AWG 7x32 Stranded tinned copper
Cable Construction	UTP dual jacketed
Cable O.D. (nominal)	7.37mm (0.29 in.) outer, 6.43mm (0.25 in.) inner
Wiring	T568A/B
Jacket Type	CMG
Bend Radius	25mm (1.0 in.)
MECHANICAL — CABLE (SOLID)	
Wire Size Range (Nominal)	23 AWG Solid bare copper
Cable Construction	UTP
Cable O.D. (nominal)	7.87mm (0.31 in.)
Wiring	T568A/T568B
Jacket Type	LSOH
Bend Radius	25mm (1.0 in.)

## Ordering Information

ZM6A-(XX)M-(XX) . . . . . Z-MAX 6A UTP, double-ended, stranded modular cord, clear boot, T568A/B, CMG

Length	Jacket Colour
01 = 1m (3.3 ft.)	01 = Black 05 = Yellow
1.5 = 1.5m (5 ft.)	02 = White 06 = Blue
02 = 2m (6.6 ft.)	03 = Red 07 = Green
03 = 3m (9.8 ft.)	04 = Grey 09 = Orange
04 = 4m (13.1 ft.)	
05 = 5m (16.5 ft.)	
7.5 = 7.5m (24.6 ft.)	

ZC6A-(XX)M(X)-L(X) . . . . . Z-MAX 6A UTP, solid modular cord, violet jacket, clear boot, LSOH

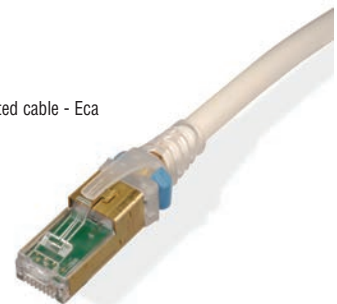
Length	Plugs	Wiring
03 = 3m (10 ft.)	(Blank) = Single-Ended	A = T568B
05 = 5m (16.4 ft.)	D = Double-Ended (T568A/B)	T = T568A
10 = 10m (33 ft.)		
15 = 15m (49 ft.)		
20 = 20m (65.6 ft.)		

Cable assembly constructed with EU CPR rated cable - Eca

ⓑ Add "B" to end of part number for bulk project pack of 100 cords.

CLIP-(XX) . . . . . Colour coding clip, bag of 25

Clip Colour		
01 = Black	04 = Grey	07 = Green
02 = White	05 = Yellow	08 = Violet
03 = Red	06 = Blue	09 = Orange



\*Product is compliant with UL2043 and is appropriate for use in air handling spaces

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

**Worldwide Headquarters**  
**North America**  
 Watertown, CT USA  
 Phone (1) 860 945 4200

**Regional Headquarters**  
**Europe Russia Africa**  
 Chertsy, Surrey, England  
 Phone (44) 0 1932 571771

**Regional Headquarters**  
**China**  
 Shanghai, P.R. China  
 Phone (86) 215385 0303

**Regional Headquarters**  
**Latin America**  
 Bogota, Colombia  
 Phone (571) 657 1950/51/52

**Regional Headquarters**  
**India Middle East**  
 Dubai, United Arab Emirates  
 Phone (971) 4 3689743

**Regional Headquarters**  
**Asia Pacific**  
 Sydney, Australia  
 Phone (61) 2 8977 7500

**Siemon Interconnect Solutions**  
**Watertown, CT USA**  
 Phone (1) 860 945 4213 US  
 www.siemon.com/SIS