Z-MAX® 6A Shielded Modular Cords - US

Combining the unparalleled performance of an exclusive PCB-based plug, noise-resistant shielded construction and a host of innovative user friendly features, the shielded Z-MAX 6A modular cords are the ultimate Category 6A cord. All cords are 100% factory-tested to ensure performance and compliance.

Siemon's **PowerGUARD** technology with a 75°C operating temperature improves heat dissipation for reduced length derating and bundling requirements in remote powering applications, including PoE and power over HDBaseT (POH).

STANDARDS COMPLIANCE

- ISO/IEC 11801-1 Ed 1.0
- ANSI/TIA-568.2-D
- ANSI/TIA-968-B
- ANSI/TIA-1096-A
- IEC 60603-7, 60603-7-51
- LSOH: IEC 60332-3-22, IEC 60332-1, IEC 60754, and IEC 61034
- CM - UL Listed 1863
- Anatel Resolution No.242,2000 (may not apply to all assemblies listed)

APPLICATION SUPPORT

- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (PoH)

High Performance Cable
Patch cords feature Category 7 S/FTP stranded cable for optimal transmission performance while eliminating alien cross-talk

Low Profile Boot Design
Optimizes side-stackability of patch cords and allows use in even the most dense patching environments

Integrated PCB
PCB equipped Smart Plug optimizes signal tuning for exceptional transmission

Fixed Front Contacts
Ensure proper mating with outlets to eliminate the performance variability of traditional crimp-style terminations

Superior Performance Consistency
Rear contacts maintain cable twist to point of termination and provide robust strain relief. Solderless, press-fit contact technology ensures long-term reliability
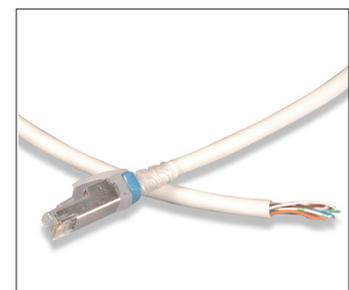
Cantilevered Latch
Allows latch activation from further back on the boot for superior accessibility in high density environments

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

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

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

SIEMON™

Product Information

PERFORMANCE SPECIFICATIONS*

ELECTRICAL

Contact Resistance	20 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 Type 1,2,3,4 and PoH
Power over Ethernet	< 10 mΩ/m @ 10 MHz

MECHANICAL - GENERAL

Operating Temperature	–10 to 75° C (14 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 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 7x34 Stranded tinned copper
Cable Construction	S/FTP
Cable OD (Nominal)	6.35mm (0.25 in.)
Wiring	T568A/B
Jacket type	CM/LSOH
Bend Radius	50mm (2.0 in.)

MECHANICAL - CABLE (SOLID)

Wire Size Range (Nominal)	23 AWG Solid copper
Cable Construction	F/UTP
Cable OD (Nominal)	7.0mm (0.28 in.)
Wiring	T568A/B
Jacket type	CM or CMR
Bend Radius	50mm (2.0 in.)

Ordering Information

ZM6A-S(XX)-(XX) --------- Z-MAX 6A shielded (S/FTP), double-ended, stranded modular cord, clear boot, T568A/B, dual-listed CM/LS0H

Length
03 = 0.9m (3 ft.)
05 = 1.5m (5 ft.)
07 = 2.1m (7 ft.)
10 = 3.1m (10 ft.)
15 = 4.6m (15 ft.)
20 = 6.1m (20 ft.)

Jacket Color
01 = Black   04 = Gray   07 = Green
02 = White   05 = Yellow 08 = Violet
03 = Red   06 = Blue   09 = Orange

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

ZC6A-S(XX)(X)-(X)(X) ------- Z-MAX 6A shielded (F/UTP) solid modular cord, blue jacket, clear boot

Length
10 = 3.1m (10 ft.)
20 = 6.1m (20 ft.)
30 = 9.1m (30 ft.)
40 = 12.2m (40 ft.)
50 = 15.2m (50 ft.)
60 = 18.3m (60 ft.)

Plugs
(Blank) = Single-Ended
D = Double-ended (T568A/B)

Cable Jacket
R = CMR
P = CMP*

Wiring
A = T568B
T = T568A

CLIP-(XX) ----------------- Color coding clip, bag of 25

Clip Color
01 = Black   04 = Gray   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.

WWW.SIEMON.COM

SIEMON™