

# Z-PLUG™ Field-Terminated Plug

Siemon's patent-pending Z-PLUG offers quick, reliable high-performance plug terminations in the field for custom-length direct connections to wireless access points, security cameras, LED lights, distributed antenna systems (DAS), building automation devices and any other IP-based and PoE-enabled devices deployed in today's converged networks. The Z-PLUG exceeds all Category 6A performance requirements, and it can be terminated to shielded, unshielded, solid and stranded cables for maximum flexibility. The plug is compliant with UL 2043 for use in plenum air handling spaces, and can be terminated without the boot for connecting to devices with limited depth, such as cameras and access points.

6A

**Dual Purpose Latch Protector Clip** — Protects latch during pulling and routing and available in nine different colors for easy color coding and identification of various applications and devices

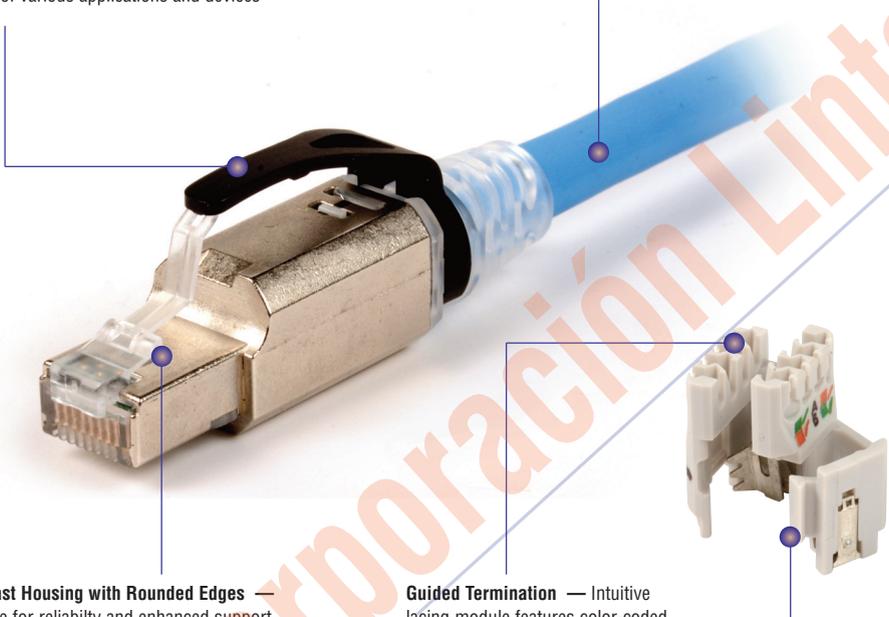
**Enhanced Performance** — Supports 10G system transmission performance for today's high-speed applications like IEEE 802.11ac Wi-Fi

**COMPLIANCE**

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEC-61156
- IEC 60603-7
- UL 2043 & UL 1863

**APPLICATIONS SUPPORT**

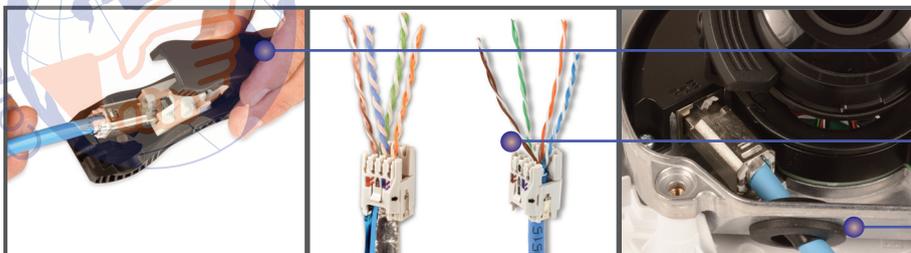
- 10BASE-T to 10GBASE-T
- HDBASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (POH)



**Robust Diecast Housing with Rounded Edges** — Highly durable for reliability and enhanced support of high frequency data rates with rounded edges that optimize fit into congested mating areas

**Guided Termination** — Intuitive lacing module features color-coded guide for correct conductor placement

**Hinged Cable Retention** — Eliminates need to feed cable and conductors through opening and can be closed manually or with tool to accommodate multiple cable diameters (22-26 AWG). Also features dual grounding clips for shielded cables.



The Z-PLUG termination process with user-friendly tool offers best-in-class termination time and repeatable performance.

The rear boot and latch protector can be eliminated or shortened for plugs that need to connect to devices with limited space.

Can be terminated to shielded and unshielded stranded and solid cable types for superior flexibility.

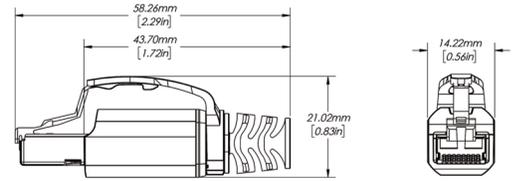


# Product Information

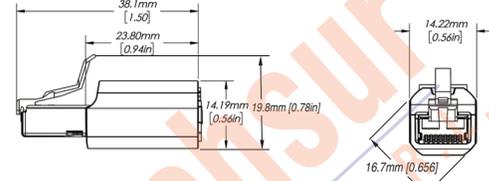
Z-MAX 6A SHIELDED SYSTEM

## ELECTRICAL SPECIFICATIONS

<b>Number of Plug Insertion Cycles</b>	2500
<b>Number of Plug Reterminations</b>	3
<b>Wire Sizes Supported</b>	22 to 26 AWG Solid and Stranded
<b>Max. Cable OD</b>	9.5mm (0.37 in.)
<b>Min. Plug Retention Force</b>	50N (11.24 lbf)
<b>Min. Mating/Unmating Force</b>	20N (4.5 lbf)
<b>Min. Cable Retention Force</b>	22/23 AWG 100N (22.48 lbf), 26AWG 50N (11.24 lbf)
<b>Mated Contact Resistance</b>	20mΩ
<b>Input to Output DC Resistance</b>	200mΩ (signal conductors), 100mΩ (shield)
<b>Min. Dielectric Withstand Voltage</b>	1000 VAC contact to contact, 1500 VDC contact to shield
<b>Current Rating @25° C (77° F)</b>	1.5 A
<b>Flammability Rating</b>	Plug body: UL94-V0, Plug boot: UL-HB
<b>Contact Material</b>	Copper alloy with contact plating of 50 microinches gold or equivalent
<b>Housing Material</b>	Zinc Diecast, Nickel Plating
<b>Green Features</b>	RoHS, lead free, halogen free, PVC free
<b>Operating temperature</b>	-40°C to 75°C (-40°F to 167°F)
<b>Storage temperature</b>	-40°C to 75°C (-40°F to 167°F)
<b>Ingress Protection</b>	IP20
<b>Shielding</b>	Fully Shielded, 360-degree enclosure
<b>Dimensions (L x W x H)</b>	With Boot: 58.2mm x 14.22mm x 21.02mm (2.3 in. x 0.5 in. x 0.83 in.) Without Boot: 38.10mm x 14.2mm x 19.8mm (1.5 in. x 0.56 in. x 0.78 in.)



With Boot



Without Boot



ZP-CAP

Z-TOOL-ZP



ZP-CLIP-(XX)



ZPG-ME00

The Z-PLUG Gland is intended for use with outdoor rated end devices. Contact Siemon for additional thread types.

## Ordering Information

- Part # Description**
- ZP1-6AS-01(X) . . . . Z-PLUG Category 6A Field-Terminated Plug and Boot with Black Latch Protector Clip
- ZP1-6AS-00(X) . . . . Z-PLUG Category 6A Field-Terminated Plug and Boot without Latch Protector Clip
- Use (X) to specify clip Standard or Bulk Plugs: S=Standard, B=Bulk (100 plugs)
- Z-PLUG Termination Tool is included with quantities of 50 or more Standard (S) plugs or with any order of Bulk (B)
- Z-TOOL-ZP . . . . . Z-PLUG Termination Tool
- ZP-CLIP-(XX) . . . . Z-PLUG Latch Protector Clip, Various Colors, Bag of 25
- Use (XX) to specify clip color: 01=Black, 02=White, 03=Red, 04=Gray, 05=Yellow, 06=Blue, 07=Green, 08=Violet, 09=Orange
- ZP-CAP . . . . . Front Protective Cap for the Z-PLUG, Black, Bag of 25
- ZPG-ME00 . . . . . Z-PLUG Gland, Metal, M20X1.5

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

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