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.

PowerGUARD®
Siemon's patented **PowerGUARD** technology prevents plug and jack contact erosion due to arcing at the mated location when the plug is unmated under PoE load conditions.

Enhanced Performance
Supports 10G system transmission performance for today's high-speed applications like IEEE 802.11ac Wi-Fi
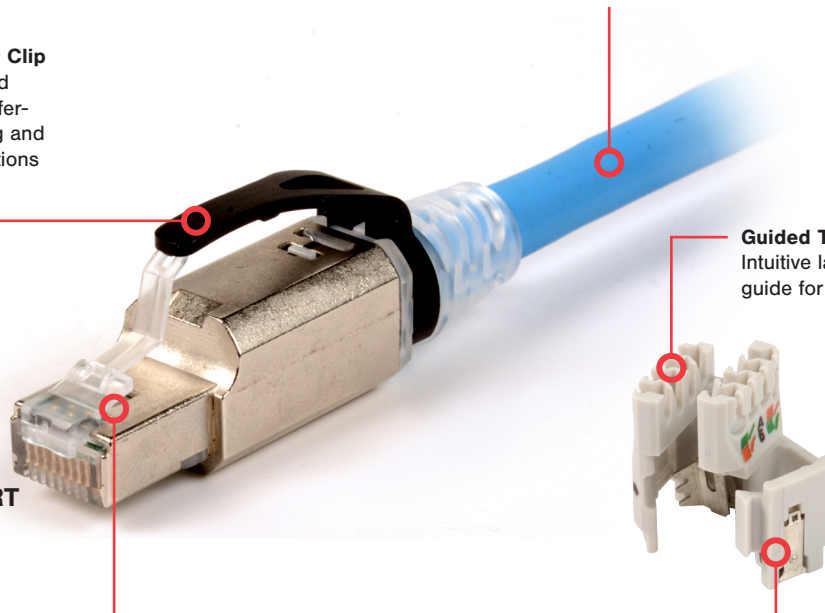
6A

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

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

COMPLIANCE

- ANSI/TIA-568.2-D
- ISO/IEC11801-1 Ed 1.0
- 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 reliabilty and enhanced support of high frequency data rates with rounded edges that optimize fit into congested mating areas
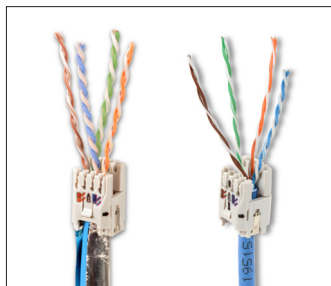
Hinged Cable Retention
Eliminates need to feed cable and conductors through opening and can be closed manually or with tool to accommodate multiple cable diameters (22-26 AWG). Also features dual grounding clips for shielded cables.

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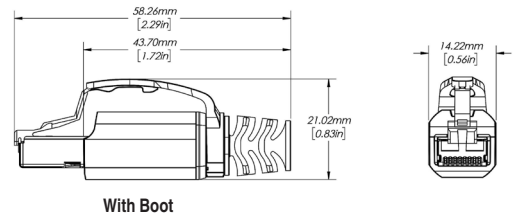
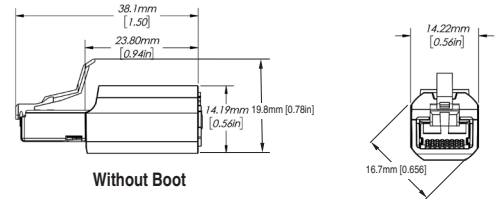Can be terminated to shielded and unshielded stranded and solid cable types for superior flexibility.

SIEMON™

Product Information

ELECTRICAL SPECIFICATIONS

Number of Plug Insertion Cycles	2500
Number of Plug Reterminations	3
Wire Sizes Supported	22 to 26 AWG Solid and Stranded
Max. Cable OD	9.5mm (0.37 in.)
Min. Plug Retention Force	50N (11.24 lbf)
Min. Mating/Unmating Force	20N (4.5 lbf)
Min. Cable Retention Force	22/23 AWG 100N (22.48 lbf), 26AWG 50N (11.24 lbf)
Mated Contact Resistance	20mΩ
Input to Output DC Resistance	200mΩ (signal conductors), 100mΩ (shield)
Min. Dielectric Withstand Voltage	1000 VAC contact to contact, 1500 VDC contact to shield
Current Rating @25° C (77° F)	1.5 A
Flammability Rating	Plug body: UL94-V0, Plug boot: UL-HB
Contact Material	Copper alloy with contact plating of 50 microinches gold or equivalent
Housing Material	Zinc Diecast, Nickel Plating
Green Features	RoHS, lead free, halogen free, PVC free
Operating temperature	–40°C to 75°C (–40°F to 167°F)
Storage temperature	–40°C to 75°C (–40°F to 167°F)
Ingress Protection	IP20
Shielding	Fully Shielded, 360-degree enclosure
Dimensions (L x W x H)	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)

Ordering Information

Part Number   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

ZPG-ME00

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