Woodhead Watertite Extreme Wiring Devices

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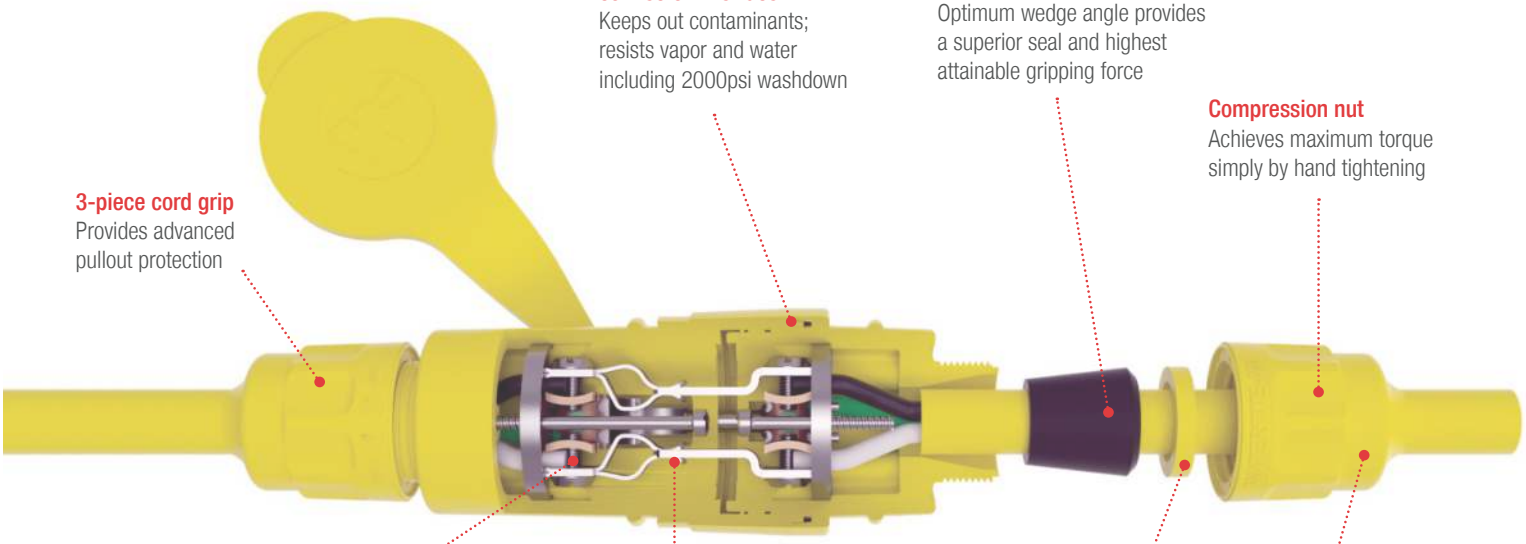
As the pioneer of wet-location wiring device solutions for more than 90 years, Woodhead has expanded its unique Advanced Vulcanized Rubber Watertite offering to include material designs that match the specific application needs of a wide-ranging customer base

The newest Woodhead Watertite Wiring Solution is a game changer for harsh, wet environments.

Woodhead's NEW Advanced Vulcanized Silicone Rubber husk repels and inhibits bacterial growth and is ideal for any indoor or outdoor wet location.

Features and Advantages



Multiple-seal plug/ connector interface
Keeps out contaminants; resists vapor and water including 2000psi washdown

Rubber grommet
Optimum wedge angle provides a superior seal and highest attainable gripping force

Compression nut
Achieves maximum torque simply by hand tightening

3-piece cord grip
Provides advanced pullout protection

Color-coded terminal screws
Preset in the open position, ready to wire

Floating blade construction
Provides self-alignment, and a better mechanical and electrical connection minimizing wear and heat generation

Compression ring
Secures liquid-tight seal and helps maintain maximum compression force

Patented Cable Glove Seal
Ensures seamless connection to cordset while preventing water ingress

Applications

Both design and material quality make Woodhead Watertite Wiring Devices essential for environments with extreme conditions such as:

- Food and Beverage
- Construction Sites
- Outdoor Concerts
- Amusement Parks
- Disaster Relief



Food and Beverage Processing



Construction Sites

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Specifications

REFERENCE INFORMATION
UL File No.: Plug and Connector – E10176
CSA File No: LR6837
NSF File No.: NSF/ANSI/3-A 14159-1

PHYSICAL
Plug Blades and Connector Contacts: Nickel-plated Brass
Housing: Vulcanized Silicone Rubber
Face Screws: Stainless Steel
Face Insert: Nylon
Wire Saddle Clamp: Brass

ENVIRONMENTAL
NEMA Rating: Type 1, 2, 3, 4, 4X, 5, 6, 6P and 12
IEC Rating: IP55, 56, 57, 65, 66, 67 and 69K
Operating Temperature: Maximum Continuous 105° C, minimum 40° C (no impact)
Temperature Rise: Maximum 30° C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Features and Advantages

	Watertite Extreme Performance
Anti-microbial material	The unique Advanced Vulcanized Silicone Rubber husk inhibits bacterial growth
Exceptional durability	Advanced Vulcanized Silicone Rubber material consistently outperforms other wiring device jacket materials used in the market
Wide-ranging regulatory compliance	NSF certified, UL Listed, CSA Certified, UV Stable
Superior Sealing Properties	Maintains flexibility and sealing qualities in extreme temperatures, demonstrated by IP67, IP69K, NEMA Type 4X and 6P ratings

NSF Certified	NSF International has been helping businesses in the agriculture, processing, food equipment, restaurant and retail industries to navigate the food safety and regulatory environment for nearly 70 years.
Antimicrobial	Advanced Vulcanized Silicone Rubber tested to JIS Z 2801 / ISO 22196 and shown to be effective to inhibit the growth of bacteria.
UL Listed	UL is a global independent safety science company with more than a century of expertise innovating safety solutions and is dedicated to promoting safe living and working environments.
CSA Certified	CSA International found that representative samples of this product met CSA's published Standards for Safety intended for the Canadian market.
IP69K Rated	Superior water ingress protection designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments
FDA Compliant Material	FDA Compliant Material per CFR 21.177.2600 (Rubber articles intended for repeated use).*



14W47



15W47



Ordering Information

Series No.	Component
130146	Watertite Extreme Plugs and Connectors (14W47: Food and Beverage and 14W47-P: Petrochemical)

Custom Product	Description
Contact Molex	Custom Watertite Extreme Plugs and Connectors

*It is also important to note that while our Advanced Vulcanized Silicone Rubber may be made from an FDA compliant material recognized as safe for repeated use in food manufacture, preparation and transportation, the final determination of the finished assemblies' appropriateness and suitability in a specific environment or application is the responsibility of the end-use customer.

www.molex.com/woodhead

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